







# Bulletin Of Wellesley College

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## Academic Calendar 1970–1971

### First Semester

Registration of new students 9 : 00 a.m. to 11 : 00 p.m.	Sunday, September 13
Registration closes for all students 11 : 00 p.m.	Tuesday, September 15
Opening Convocation 8 : 30 a.m.	Wednesday, September 16
Classes begin	Thursday, September 17
Thanksgiving recess after classes through	Wednesday, November 25 Sunday, November 29
Classes end	Friday, December 18
Christmas vacation after classes through	Friday, December 18 Sunday, January 3
Reading period through	Monday, January 4 Tuesday, January 12
Examinations through	Wednesday, January 13 Wednesday, January 20
Winter recess after examinations through	Wednesday, January 20 Sunday, January 31

### Second Semester

Classes begin	Monday, February 1
Spring vacation after classes through	Friday, March 26 Sunday, April 4
Classes end	Friday, May 7
Reading period through	Saturday, May 8 Sunday, May 23
Examinations through	Monday, May 24 Monday, May 31
Commencement	Saturday, June 5

### Visitors

Wellesley welcomes visitors to the College. The administrative offices in Green Hall are open Monday through Friday, 8 : 30 a.m. to 4 : 30 p.m. and by appointment on Saturday mornings during term time. Special arrangements for greeting prospective students will also be made during holiday and vacation periods. Rooms for alumnae, parents of students or prospective students, are available on the campus in the Wellesley College Club, and may be reserved by writing the club manager.

Campus guides are happy to provide tours for visitors. In order to arrange for a mutually convenient time for interviews with officers of the Board of Admission, prospective students and their parents are requested to make such appointments well in advance of their intended visit.



## Correspondence

The post office address is :  
 Wellesley College  
 Wellesley, Mass. 02181

The telephone number is :  
 (617) 235-0320

General interests of the College  
 PRESIDENT

Academic policies and programs  
 DEAN OF THE COLLEGE

College policy for students; residence halls;  
 applications for readmission  
 DEAN OF STUDENTS

Admission of undergraduate students  
 DIRECTOR OF ADMISSION

Admission of foreign students  
 FOREIGN STUDENT ADVISER

Admission of graduate students  
 DEAN OF THE COLLEGE

Individual students  
 DEAN OF THE CLASS

Financial aid  
 FINANCIAL AID OFFICER

College fees  
 CONTROLLER

Employment of students and alumnae  
 DIRECTOR OF CAREER SERVICES

Transcripts of records  
 RECORDER

Catalogues and other bulletins  
 INFORMATION BUREAU

Other business matters  
 VICE PRESIDENT AND BUSINESS MANAGER

Gifts and bequests  
 VICE PRESIDENT FOR RESOURCES

Alumnae interests  
 EXECUTIVE SECRETARY, ALUMNAE ASSOCIATION

## BOARD OF TRUSTEES



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Swampscott, Mass.

### Vice Chairman

Betty Freyhof Johnson, B.A., M.A.  
Cincinnati, Ohio

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L.H.D., LITT.D., LL.D.  
Boston, Mass.

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Wellesley, Mass.



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Kansas City, Mo.

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George Putnam, B.A., M.B.A.  
Manchester, Mass.

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Baltimore, Md.

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Glencoe, Ill.

Robert G. Stone  
Boston, Mass.

Mildred Hinman Straub, B.A.  
Albany, N. Y.

Nancy Angell Streeter, B.A.  
New York, N. Y.

Mary Sime West B.A.  
New York, N. Y.

Henry Austin Wood, Jr., B.A., M.B.A.  
Boston, Mass.

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Ruth M. Adams, Ph.D., L.H.D., LITT.D., LL.D., ex officio  
Wellesley, Mass.

President of the Alumnae Association  
Barbara Barnes Hauptfuhrer, B.A., ex officio  
Huntingdon Valley, Pa.

Trustee Emeritus  
John R. Quarles, B.A., M.A., LL.B.  
Wellesley, Mass.

## PRESIDENTS



ADA HOWARD	1875–1881
ALICE FREEMAN	1881–1887
HELEN SHAFER	1887–1894
JULIA IRVINE	1894–1899
CAROLINE HAZARD	1899–1910
ELLEN FITZ PENDLETON	1911–1936
MILDRED McAFEE HORTON	1936–1949
MARGARET CLAPP	1949–1966
RUTH M. ADAMS	1966–









## THE COLLEGE

Wellesley College is a residential liberal arts college for women situated on a 500 acre campus in the township of Wellesley, Massachusetts, 12 miles from Boston. Approximately 1750 students are enrolled each year.

Above all, Wellesley strives to provide an excellent education. Faculty and students have a high regard for scholarship, coupled with a concern for contemporary social problems. They share a similar interest in providing an atmosphere for personal growth as well as intellectual achievement. Wellesley's faculty live, for the most part, on or near the campus, and are readily available to students outside of the classroom. The ratio of faculty to students is one to ten.

Wellesley College opened in 1875, after years of preparation by Mr. and Mrs. Henry Fowle Durant. It was Mr. Durant's hope that by providing educational opportunities of the kind then available only to men that women could prepare themselves for "great conflicts and vast social reforms." This is still the hope and the goal.

The College staff tries to implement this goal by working cooperatively with students to effect changes which may be needed. The present College Government, composed of students, faculty and administrators, was created by an Agreement between faculty and students in 1918. Although this Agreement has been amended over the years it still provides the basic framework for change.



The College Government legislation assigns to the Senate responsibility for all non-academic matters affecting the student body. Students form a majority of the Senate. Academic affairs are the concern of the Academic Council comprising most of the faculty, some administrators and some students. A Chief Justice, elected from the student body, presides over the judicial system. In addition, students sit on most major policy-making committees, including the President's Advisory Council and the committees of the Board of Trustees.

The coming years will bring changes on all college campuses, and Wellesley is no exception. Wellesley students will have much of the responsibility for these changes.

Wellesley provides the opportunity for both urban and suburban living. It has a beautiful campus. The city is nearby, and students frequently go to the art galleries, to the theatre, shopping, or for volunteer or paid work.

Here at Wellesley students can pursue their own interests, whether they are on campus or in town. Wellesley has no specific required courses. The curriculum is arranged so that each student may explore various fields, developing a primary interest which is expressed in the selection of a major program in the last two years. The College has limited cross-registration with the Massachusetts Institute of Technology so that Wellesley students may take courses at MIT, and MIT students at Wellesley. Through the Twelve College Exchange Program Wellesley and eleven other colleges exchange students who live and study on another campus for a semester or a year.

Wellesley students traditionally come from diverse backgrounds and from many parts of the world besides the United States. In the coming years Wellesley plans to make special efforts to maintain and expand that diversity. Students encounter a wide range of points of view, academic disciplines and special interests which stimulate and strengthen their own combinations of interests and talents.

Wellesley has the physical resources to support these interests and talents. The major buildings and sports areas are shown on the campus map, pp. 238–239. They are described on pp. 37–43.

The present College is in marked contrast to the small faculty and student body, the one building, the collection of only 8000 books, and the restricted social life with which Wellesley began. The quiet beauty of the campus remains unchanged after nearly one hundred years—while symbolizing the best of the traditional, it provides the setting for change, for innovation, for growth.

# ADMISSION

## Criteria for Admission

The Board of Admission at Wellesley is composed of representatives of the faculty, the administration and the students. In selecting the candidates who will comprise the kind of student body the College wants, this Board considers a number of factors. The candidate's high school record, rank in class, scholastic aptitude, achievement and intelligence test scores, letters of recommendation from teachers and principals, the student's own statement about herself and her future, and the reports of the staff or alumnae and the student interviewers, are all carefully reviewed. The Board values unusual interests, talents, and social and political concerns.

No one factor alone nor all of them together provide an objective basis on which to select candidates for admission. Each factor must be evaluated with care and sensitivity. For example, College Board scores may be influenced by the student's previous experience with timed examinations, and these tests, of course, do not necessarily measure potential and certainly not motivation or creativity.

The Board of Admission considers each of these factors and chooses students who will be able to perform academic work at the level required at Wellesley, and who have the potential to benefit from, and to contribute to, the type of education offered at Wellesley. The Board is determined that the criteria it uses will, on the one hand, ensure that a student who is admitted will be able to meet the standards for graduation from the college, and, on the other, be sufficiently flexible to ensure that creativity, strong potential and high motivation are given appropriate consideration.

### **General Requirements for Freshman Applicants**

Wellesley College does not require a fixed plan of secondary school courses as preparation for its program of studies. Entering students normally have completed four years of college preparatory studies in secondary school. Good preparation includes training in clear and coherent writing and in interpreting literature, training in the principles of mathematics (usually a minimum of three years), competence in at least one foreign language, ancient or modern, (usually achieved through three or four years of study), and experience in at least one laboratory science and in history.

Students planning to concentrate in mathematics, in premedical studies, or in the natural sciences, are urged to pursue additional studies in mathematics. Students planning to concentrate in language or literature are urged to study a modern foreign language and Latin or Greek.

There are always exceptions to the preparation suggested here, and the Board will also consider an applicant whose educational background varies from this general description.



### **The Application**

Application forms may be secured from the Board of Admission. A fee of \$15 must accompany the formal application. This fee is not refunded if a candidate withdraws her application or is not admitted. In special circumstances the application fee may be waived.

### **The Interview**

The College arranges for each candidate to have a personal interview either on campus or in her home or school region. Candidates may also be interviewed by Wellesley students on campus if they request a student interview beforehand.

### **Campus Visit**

Students who are seriously considering Wellesley will have a fuller understanding of student life at Wellesley if they can arrange to spend a day on campus. Candidates are welcome to visit classes, eat in the dormitories, talk informally with Wellesley students who also conduct campus tours. Prospective students who plan to spend some time exploring the College are urged to let the Board of Admission know in advance so that tours, interviews, meals and attendance at classes can be arranged before arrival on campus.

### **College Entrance Examination Board Tests**

The Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board are required of all applicants for admission. Among the Achievement Tests, the English Composition Test is required and the two other tests may be chosen from two of the following fields: 1) foreign languages, 2) social studies, 3) either mathematics or science.

Each applicant is responsible for arranging to take the tests and for requesting CEEB to send to Wellesley College the results of all tests taken. CEEB sends its publications and the necessary registration forms to apply for the tests to all American secondary schools and many centers abroad. The applicant may obtain the registration form at school, or may obtain it by writing directly to the College

Entrance Examination Board, Box 592, Princeton, New Jersey 08540; or in western United States, western Canada, Australia, Mexico, or the Pacific Islands, to CEEB, Box 1025, Berkeley, California 94701.

It is wise to register with CEEB approximately seven to eight weeks before the test dates.

Dates of CEEB Tests:

November 7, 1970 (Scholastic Aptitude Test only)

December 5, 1970

January 9, 1971

March 6, 1971

April 17, 1971 (Scholastic Aptitude Test only)

May 1, 1971 (Achievement Tests only)

July 10, 1971

### **Admission Plans**

#### **1. Early Decision**

This plan is intended for students who decide early that Wellesley is the college which they wish to attend and who agree to file no other college application until after receiving a decision from the Wellesley Board of Admission. The appropriate CEEB tests should be taken in the junior year in secondary school and candidates must apply and complete the form "Request for Early Decision" by October 15 of the senior year. All supporting credentials and an interview must be completed by November 1. These candidates will receive a decision from the Board of Admission by December 1.

#### **2. April Decision**

A candidate who uses the regular plan of admission must file an application by January 1 of the last year in secondary school. The Board of Admission decision is mailed in April.

It is preferable that the Scholastic Aptitude Test be taken in November, December or no later than January of the senior year. The Achievement Tests may be divided between May or July of the junior year and December or January of the senior year. All supporting credentials for applicants who wish to enter in the following school year must be completed by January 15, therefore the results of tests taken after January arrive too late for consideration by the Board of Admission.

#### **3. Early Admission**

A few unusually mature students whose achievement in secondary school is superior are considered for admission after only three years of high school. It is preferable that





these candidates have their interviews at the college, if distance permits. In all other respects they follow the regular procedures for entrance.

### **Americans Living Abroad**

For American citizens living in other countries the entrance requirements and procedures for making application are the same as for applicants within the United States.

### **Foreign Students from Abroad**

Each year Wellesley admits a small number of qualified foreign applicants. The College welcomes applications from students who have outstanding secondary school records and who have completed the equivalent of the entrance requirements for Americans. Specific instructions for applying to Wellesley from abroad are contained in a special brochure "Information for Students From Abroad" which may be obtained by writing to the Board of Admission.

The Slater One Year Fellowship Program is open to qualified foreign students primarily from Western Europe, who wish to spend a year at Wellesley to increase their competence in American studies while preparing for a degree in their home university. Slater Fellows receive the full cost of tuition, room, and board from the College. Applicants may obtain the necessary forms from the Foreign Student Adviser.

### **Admission of Transfer Students**

Wellesley College accepts transfer students in either the first or second semester. They must offer excellent academic records and strong recommendations from their dean and instructors. Incoming sophomores and juniors, and a limited number of second semester freshmen, are eligible to apply. Students wishing to apply for admission with advanced standing should make application before February 1 for entrance for the fall semester, and before December 1 for entrance for the second semester, on forms which may be obtained from the Board of Admission. A non-refundable application fee of \$15 should be sent with the completed application form.

### **Graduate Students**

Wellesley is primarily an undergraduate institution. There are a limited number of candidates for the M.A. degree in chemistry, biological sciences and art.

## FEES, FINANCIAL AID AND FELLOWSHIPS

### **Fees and Expenses**

An excellent education is expensive.

At Wellesley the fee represents approximately three-fifths of the cost to the College for each resident student. In past years the difference has been made up from gifts and income earned on endowment funds. Recently, however, the College has had an annual deficit, and the Board of Trustees has voted to increase the annual fee from \$3400 to \$3600 in the academic year 1971–1972.

### **Annual Fee**

\$3400 is the fee for tuition, board and room for the academic year 1970–71. In addition, there is a student activity fee of \$40.

### **Student Activity Fee**

The purpose of the Student Activity Fee is to provide resources from which the student government organization can plan and implement the programs of student activities sponsored by various clubs and organizations on campus. The fee is \$40 each year and is non-refundable.

### **Reservation Payment**

\$200 reserves a place in the College for the student. It is due February 1 for Early Decision students and May 1 for all other entering students, and annually on July 1 for returning students. It is included in the annual fee of \$3400, but it cannot be refunded for any reason.

### **General Deposit**

\$50 is a general deposit paid by each entering student. The deposit is refunded after graduation or withdrawal and after deducting any special charges not previously paid.

### **Special Fees and Expenses**

These include the following :

An initial application fee of \$15 which is non-refundable.

Certain special fees and expenses listed under the departments with which they are concerned, such as the cost of instrumental and vocal lessons.

A fee for each unit of work taken for credit in excess of five in any semester: \$300.

A fee for validating in September each unit of work done independently during the summer or taken in other institutions in excess of the units accepted for an automatic transfer: \$50.

Automobile parking fees.

Fees for laboratory breakage and any other damage incurred by a student.

A fee for dormitory room key.

### **Non-Resident and Graduate Student Fees**

Detailed information on fees for non-residents and graduate students may be obtained by writing to the Controller.

### **Plans of Payment**

\$3200 is the balance due for tuition, board and room. This amount is due on September 1. However, other plans for payment are available. Wellesley College offers three such plans: The Standard Plan, the Eight Payment Plan and the Deferred Monthly Payment Plan. Detailed descrip-



tions of plans are sent by the Controller to the parents of entering students and to others upon request. It is necessary that all fees be paid before the student can begin or continue attendance, and all financial obligations to the College must be discharged before the diploma is awarded.

#### The Standard Plan

The College will accept payments made through any bank or trust company or recognized financing agency which will forward these payments in accordance with the following schedule of payments.

##### For Early Decision Student

1st Payment			
February 1	Reservation	\$ 200	
2nd Payment			
May 1	General Deposit	50	
3rd Payment			
September 1	Tuition, board and room	1,620	
4th Payment			
January 15	Balance on tuition, board and room	1,620	
			<hr/>
			\$3,490

##### For April Decision Student

1st Payment			
May 1	Reservation	\$ 200	
	General Deposit	50	
2nd Payment			
September 1	Tuition, board and room	1,620	
3rd Payment			
January 15	Balance on tuition, board and room	1,620	
			<hr/>
			\$3,490

##### For Returning Student

1st Payment			
July 1	Reservation	\$ 200	
2nd Payment			
September 1	Tuition, board and room	1,620	
3rd Payment			
January 15	Balance on tuition, board and room	1,620	
			<hr/>
			\$3,440



### Eight Payment Plan

A plan for the payment of fees over an eight month period is being developed and information about this plan will be sent to parents by the Controller as soon as the plan is approved.

### Deferred Monthly Payment Plan

Arrangements have been made for financing agencies to offer monthly extended payment plans to cover payments due the College. These plans include provisions for insurance and can be arranged for any reasonable sum of money or length of time. Information on these plans is sent to the parents of entering students and is available to others from the Controller.

### **Payments for Scholarship Students**

Scholarship funds, except for the reservation payment, are usually applied equally against all tuition, board and room payments for the year. The remaining financial obligation must be paid in accordance with one of the approved plans. Scholarship students who have difficulty meeting the scheduled payments outlined above should consult the Financial Aid Officer.

### **Insurance**

Information concerning optional health and accident insurance is automatically sent to all parents by the Controller. Because of the high cost of medical care, parents are urged to subscribe to a comprehensive medical insurance plan.



## **Refunds**

The reservation payment is not refundable at any time. Additional payments made before the opening of College in the fall are refundable only prior to that time.

The College necessarily makes commitments in advance for instruction and living arrangements and the parent or guardian is responsible for the entire fee for a semester if withdrawal or exclusion occurs after the start of the academic schedule. The only rebate in event of withdrawal or exclusion is for unused board at the rate of \$19 for each remaining full academic week of the semester calculated from the week after the withdrawal or exclusion date.

In the event of withdrawal of a student with scholarship assistance, the proceeds of all refunds are applied first to the scholarship account.

## **General Expenses**

It is estimated that \$500 for the year will cover a student's general expenses including books and supplies, incidental fees, recreation and entertainment, laundry, and dry cleaning and some transportation, excluding trips to and from home. For the foreign student coming from abroad this figure is estimated at \$600.

## **Financial Aid**

The Wellesley College program of financial aid for students is intended to open educational opportunity to able students of diverse backgrounds regardless of their financial circumstances. No student should be discouraged from applying to Wellesley because of the need for scholarship help. At Wellesley admission decisions are made without regard for financial need, and only after a student is admitted does the Committee on Scholarships consider applications for aid. Over 25 percent of Wellesley students receive some financial aid.

The Wellesley College Students' Aid Society, which sponsors interest-free loans, also offers personal assistance through loans of books and other items, gifts of clothing and loans of small amounts of money for incidental expenses and special emergencies.

Financial aid is given only to students who require assistance in order to attend. Awards vary in size according to individual need and may equal or exceed the comprehensive College fee. Although awards are generally granted for one year at a time, the College expects to continue aid as needed throughout the four years for all scholarship

holders whose College records are satisfactory. Most awards consist of a combination package of a gift and an interest-free loan, plus work on campus during the school year.

In addition to College scholarships, Educational Opportunity Grants, National Defense Student Loans, and Work-Study jobs are available to eligible students. Educational Opportunity Grants are awarded to students with exceptional financial need. At Wellesley, National Defense Student Loans are used primarily to assist students with financial need who have applied for but who have not been granted College awards.

In the College Work-Study Program, a student may work on or off campus for a public or private non-profit organization. Students may work in diverse areas, for example, helping to develop community action programs, tutoring, doing research for local museums, staffing tot-lots and recreation centers.

The need for financial help always exceeds the amount of resources Wellesley has available in any given year. Therefore, students should, whenever possible, seek loan assistance locally through state or federal programs, from educational foundations, and other private sources.

There are ten special scholarships reserved for residents of the Town of Wellesley. A special application is required and available from the Town Selectmen's Office. The awards are made by the Town Selectmen after students have been admitted by the Board of Admission.

The College expects students to contribute as much as possible to their own expenses through summer and term-time earnings. On-campus jobs under the Wellesley College and Federal Work Study Programs are offered to all financial aid applicants except freshmen. These jobs ordinarily involve five hours of work per week and enable students to earn approximately \$200 to \$250 per year. In addition, the Career Services Office is often able to arrange for additional paid work during the school year and summers.

Candidates for admission who have sufficient funds for the first year but who foresee a need for assistance for the later years should inform the Financial Aid Officer by January 15 of their senior year in high school. The College tries to reserve funds to meet the needs of qualified students who do not require aid on entrance but who anticipate financial problems during the later college years.

Further information on financial aid at Wellesley is contained in the brochure "Opportunities for Financial Aid" which may be obtained by writing to the Financial Aid Officer, Wellesley College, Wellesley, Mass. 02181.





### **Application for Financial Aid**

Each registered applicant for admission who needs financial aid must secure two forms and must file them during the senior year in high school, in the places listed below. Early Decision applicants must file by October 15; April Decision applicants must file by January 15.

### **Wellesley College Application for Financial Aid**

This form will be sent to candidates who indicate the need for financial assistance on the Application for Admission form. The financial aid application should be returned to the Financial Aid Officer, Wellesley College. Application for financial aid must be renewed each year.

### **Parents' Confidential Statement**

This form is available in the secondary schools, or may be obtained by writing to the College Scholarship Service, Box 176, Princeton, New Jersey 08540; Box 881, Evanston, Illinois 60204; or Box 1025, Berkeley, California 94701. A copy can also be provided by the Financial Aid Officer if specifically requested by an applicant. **The Parents' Confidential Statement** should be filed with the College Scholarship Service which will then forward a copy for confidential use to the college or colleges indicated on the form.

### **Fellowships and Graduate Scholarships**

A number of fellowships and graduate scholarships are open to graduating seniors and alumnae of Wellesley College, while others administered by Wellesley are open to women graduates of any American institution. In general awards are made to applicants who plan full-time graduate study.

Information and application forms may be obtained from the Secretary to the President, Wellesley College. Applications and supporting credentials for fellowships are due in the Office of the President by February 20, except where noted.

### **For Graduates of Wellesley College**

Fellowships open to Wellesley College alumnae and graduating seniors are listed below. Each is awarded annually unless specified otherwise.

*American School of Classical Studies* in Athens awards three fellowships on a competitive basis. Qualified graduates are exempt from any charge for tuition at the American School of Classical Studies in Athens or in Rome.

Stipend: \$2000



*Anne Louise Barrett Fellowship*, preferably in music and primarily for study or research in musical theory, composition, or in the history of music; abroad or in the United States.

Stipend : \$2500

*Professor Elizabeth F. Fisher Fellowship* for research or further study in geology or geography.

Stipend : \$2500

*Horton-Hallowell Fellowship* for graduate study in any field, preferably in the last two years of candidacy for the Ph.D. degree, or its equivalent, or for private research of equivalent standard.

Stipend : \$3000

*Edna V. Moffett Fellowship* for a young alumna, preferably for a first year of graduate study in history. Awarded every third year. To be offered in 1972–73 for 1973–74.

Stipend : \$2500

*Vida Dutton Scudder Fellowship* for study in the field of social science, political science or literature; awarded in alternate years. It will be offered in 1970–71 for the year 1971–72.

Stipend : \$2500 or more

*Mary Elvira Stevens Traveling Fellowship* for travel or study outside the United States. Any scholarly, artistic, or cultural purpose may be considered. Candidates must be at least 25 years of age on September 1 of the year in which the fellowship is first held. All applications must be filed in the Office of the President before December 31, 1970.

Stipend : \$7000

*Sarah Perry Wood Medical Fellowship* for the study of medicine.

Stipend : \$3300

*Fanny Bullock Workman Scholarship* for graduate study in any field.

Stipend : \$2500

*Trustee Scholarships* are awarded on a competitive basis to four seniors who intend to pursue graduate studies. These scholarships are unrestricted as to field of study but two are awarded preferentially to students planning to teach at the college level. The title Trustee Scholar is honorary and in cases of financial need stipends may be

awarded to the scholars or, if not required by them, to alternates who need financial assistance. All applications and credentials are due by January 15.

### **For Graduates of Other Institutions Fellowships, Scholarships and Assistantships**

Some graduate fellowships and scholarships for study at the institution of the candidate's choice are administered by Wellesley College and are open to alumnae of any college, including Wellesley.

Several scholarships are available for candidates for the degree of Master of Arts at Wellesley.

Assistantships which provide stipends are available in certain science departments at the College for candidates for the M.A. degree at Wellesley.

*Alice Freeman Palmer Fellowship* for study or research abroad or in the United States. The holder must be no more than 26 years of age at the time of her appointment, and unmarried throughout the whole of her tenure.

Stipend : \$3000

*M. A. Cartland Shackford Medical Scholarship* for the study of medicine with a view to general practice, not psychiatry.

Stipend : \$3300

*Harriet A. Shaw Scholarship* for study or research in music and allied arts, abroad or in the United States. The candidate must be no more than 26 years of age at the time of her appointment. Preference given to music candidates; undergraduate work in history of art required for other candidates. Awarded in alternate years. It will be offered in 1971-72 for the year 1972-73.

Stipend : \$3000

*Catherine Hughes Waddell Fellowships* are offered to six women graduates of member institutions of the United Negro College Fund. The program of study is in the Fellow's area of specialization. Information and application forms may be obtained from the Board of Admission. Applications are due in the Office of Admission by February 15 of the year of desired entrance.

Stipend : Fee for tuition, board and room, and certain other costs are paid in full.



# STUDENT LIFE

## **Registration**

At the beginning of each semester residential students must register in their dormitories before their first scheduled class, and non-residential students must register in the Information Bureau, Green Hall, before their first scheduled class.

## **Freshman Orientation**

Entering students arrive at college a few days before most upperclassmen. Their orientation is planned by the Dean of Freshmen and a student committee which also returns early to help freshmen become acquainted with the College.

During this week there are mixers, dances and picnics, campus tours and trips to Boston and Cambridge. The class schedules are distributed. Freshmen meet their class dean and advisers. The Vil Junior in each dorm has special responsibility for helping the new students feel at home.



Freshmen receive a Handbook prepared by upper-classmen and a Portrait Directory which help them become acquainted quickly with the College and their classmates.

## Residence

The College provides housing in thirteen dormitories on campus and allows upperclassmen, with parental permission, to find their own housing off campus. The dormitories contain single rooms, double rooms, and suites. Small kitchenettes are located on most corridors for students to prepare snacks or to use when entertaining.

The cost of all rooms is the same, regardless of whether they are shared. Members of all four classes live in each dorm and share the dining and common rooms and the general life of the house. Students clean their own rooms and contribute two or three hours a week working in the dining rooms, answering the telephones and doing other miscellaneous jobs which are scheduled by the student heads of work. Each dormitory has a non-student resident head of house. The visiting hours for guests are set by the students on each corridor. Freshmen are housed in corridors with limited visiting hours.

The College supplies a bed, desk, chair, lamp, bookcase and bureau for each resident. Students may rent linen or supply their own. Students supply blankets and quilts and their own curtains, pictures, rugs, posters and the rest of the delightful paraphernalia which turns the dorm room into a home away from home. Students may change dorms from year to year, and the College will move their personal possessions at the student's risk.

## Advising

Students can receive advice and counseling from many different people. The heads of house, class deans, faculty advisers, College doctors and psychiatrists, the chaplain, volunteer tutors, big sisters, Vil Juniors, the foreign student adviser, the director of educational services, members of College Government, and others are there to try to help students with problems—both large and small. If one of these people cannot help he will see that the student is put in touch with the person who can.

Confidential problems are treated with respect, and students may feel secure knowing that a personal problem will remain confidential.

## Supplementary Education

The Office of the Director of Educational Services offers supplementary help and or tutoring to students who wish it.

## Religion

Wellesley seeks to respond sensitively to a variety of religious traditions. The College encourages independent religious involvement on the part of its students. Wellesley students may also major in religion and biblical studies, or take elective courses in these fields. Attendance at all worship services is voluntary.

The College chaplain is available to all students for religious guidance and personal counseling. He also officiates at regular Sunday morning worship, an ecumenically oriented Protestant service, in Houghton Memorial Chapel at which many distinguished churchmen are invited to speak during the year. Other religious advisers representing several religious traditions are also available to students for counseling, and often lead the Sunday services. The activities of various religious groups on campus as well as programs sponsored by the chaplain's office are open to all.

Temples and churches representing a great variety of ways of worship are easily accessible from the campus.



## College Health Services

The services of the College physicians, psychiatrists and nurses are available to students at Simpson Infirmary, which includes a 29 bed hospital and an out-patient clinic. Boston has long been one of the major medical centers in the country, and consultation with specialists in all medical fields is easily available.

Besides the usual care given by College health services the Wellesley medical staff serve on a student-staff health committee. This committee works on ways to expand the use of the health services and sets up special informational and discussion programs on such subjects as drugs, sex, marriage.

The confidentiality of the doctor-patient relationship is the foundation upon which the success of the health services is based. **College medical personnel will not share any medical information concerning a student with any college authorities, or with the parents of students, without the consent of the student.**

Parents are requested to sign a statement authorizing the College to proceed with appropriate treatment in the case of serious illness or emergencies in the event they cannot be reached by telephone. This waiver is part of the Health Examination Report submitted by June 1 by each entering student.

Each student is allowed three free days in the infirmary each academic year. Treatment involving unusual expenses or outside consultation or hospitalization is borne by the student. The College strongly recommends purchase of a group student health and accident insurance policy which protects students over a twelve month period whether or not they are in residence at the College.

### Jobs on and off Campus

A student interested in employment may register at the Career Services Office. This office assists students in obtaining summer employment as well as part-time work during the academic year.

Although freshmen are advised not to hold jobs during the first semester, there are many opportunities throughout the rest of the college years for students to find part-time employment at the College and in the Town of Wellesley. The Career Services Office is the clearing house for employers looking for students for part-time help and for students looking for work. On-campus opportunities include office work in academic departments, and work in small businesses run by students. Off campus, students have worked in offices, stores, and restaurants. A large number of local families employ students for child care, and for other varieties of household work.

Undergraduates and seniors are assisted in making plans for the future, either for employment or further study. Students may consult with the Career Services counselors about their interests and the plans they hope to make. Assistance is provided in many ways. The office maintains a library of vocational literature on current positions and future career possibilities; holds lectures and discussions for students on various occupations; supplies information about graduate courses, apprenticeships, graduate scholarships and assistantships as well as job opportunities; and schedules interviews for seniors with employer and graduate school representatives who recruit at the College.

All alumnae may continue to use the services of this office for information and help in employment or planning further study.



## Summers

The long summer vacation gives students ample time for work, travel or study.

The Career Services Office helps to place students in summer jobs and offers counseling and advice on the most rewarding kinds of jobs available depending on a student's particular interest.

The College sponsors a Washington Internship Program in which students spend ten weeks in Washington, D.C. working in various departments within the federal government, including the Congress, as well as for press, radio and TV offices and for other groups in the nation's capital. Salaries are offered with some of these jobs, but if not, the College provides a stipend to the intern.

The Internship Program in Economics, founded at Wellesley by the National Association of Business Economists, places qualified economics majors in salaried positions in private or public agencies in all parts of the country during the summer following the junior year. Students in this program carry out applied economic research under the direction of senior economists.

Independent travel, or travel with groups such as Crossroads Africa or the Experiment in International Living, is a good supplement to the academic program. Wellesley also awards Slater Fellowships for summer research and study abroad available primarily to junior Honors candidates for work in connection with their 370 Honors project. These Slater Fellows must be recommended by their departments and submit a budget indicating how much money they will need to supplement their own resources.

Some students carry out planned programs of independent study which have been worked out with members of an academic department and their class dean. Other students attend summer school. The amount of summer school credit allowed toward the degree is limited and is not automatic. Students should consult their class deans and appropriate departments before enrolling in summer school courses for which they expect credit toward the Wellesley degree.

Whatever summer plans may be, Wellesley considers reading an indispensable accompaniment. Each department provides a summer reading list, designed particularly for majors, but open to all. These lists provide an excellent complement to the work done during the past year, and preparation for the one ahead.



## Students in 1969–1970

### Academic Summary

	Resident	Non-Resident	Class Totals	Totals
Candidates for the B.A. degree	1672	57		1729
Seniors	327	51	378	
Juniors	359	5	364	
Sophomores	463	0	463	
Freshmen	510	1	511	
Unclassified	13	0	13	
Candidates for the M.A. degree	1	11		12
Non-candidates for degrees	10	5		15
Total registration September 1969				1756



### Geographical Distribution

#### The United States

Alabama	12
Arizona	4
Arkansas	2
California	56
Colorado	10
Connecticut	131
Delaware	13
District of Columbia	27
Florida	22
Georgia	29
Hawaii	4
Idaho	4
Illinois	72
Indiana	23
Iowa	10
Kansas	11



Kentucky	12
Louisiana	9
Maine	21
Maryland	40
Massachusetts	253
Michigan	31
Minnesota	25
Mississippi	2
Missouri	26
Montana	5
Nebraska	4
New Hampshire	25
New Jersey	133
New Mexico	5
New York	244
North Carolina	15
North Dakota	3
Ohio	79
Oklahoma	9
Oregon	3
Pennsylvania	97
Rhode Island	16
South Carolina	7
South Dakota	1
Tennessee	17
Texas	52
Utah	1
Vermont	9
Virginia	64
Washington	14
West Virginia	3
Wisconsin	16
Canal Zone	2
Puerto Rico	3

## Students from Abroad

	Foreign Citizens	American Citizens Living Abroad
Belgium		1
Brazil		1
Canada	4	3
Colombia	2	
Egypt	1	2
England	2	2
Ethiopia	1	
Finland	1	
France	3	1
Greece	1	
Hong Kong	9	
India	6	2
Iran	2	
Israel	1	
Italy	1	1
Japan	2	1
Korea	1	
Malaysia	2	
Panama	1	
The Philippines	1	1
Saudi Arabia	2	
Scotland		1
Switzerland	2	1
Taiwan	4	
Thailand	1	1
Venezuela	3	4
West Germany	1	4

## The Campus

Wellesley College has a campus of more than 500 acres bordering on Lake Waban. There are woodlands, hills and meadows, an arboretum, botanic gardens and an outdoor amphitheatre. In this setting are 64 buildings, with architectural styles ranging from Gothic to contemporary. Thirteen of the buildings are residence halls. Placed in four groups, each is approximately the same distance from the academic quadrangle where most classes are held. The campus map on pp. 238–239 shows most of the major areas.

The focal point of the campus is the tower which contains a 30-bell carillon. Named for its donor, Galen L. Stone, the tower rises 182 feet from Green Hall, the administration building, and is an excellent vantage point from which to view Wellesley's extensive campus and beyond.

One of Wellesley's oldest buildings (1880) is Billings Hall, now completely remodeled and expanded to create a new college center for extra-curricular activities. Nearby is the library and a short distance away, atop Norumbega Hill, is the quadrangle which includes the administration building, two classroom buildings (Founders and Pendleton Halls) and the Jewett Arts Center. The Houghton Memorial Chapel, the Whitin Observatory and the neighboring Sage Hall with adjoining greenhouses, the recreation and physical education buildings, the Child Study Center, as well as the infirmary and other College buildings are described in detail below and listed according to the use for which each is intended.

### Alumnae Hall

The largest auditorium on the campus is Alumnae Hall which has a seating capacity of 1500 persons. Beneath the auditorium is a large ballroom. The building is the headquarters of the Wellesley College Theatre and also houses the College radio station, WBS. Alumnae Hall is host to visiting lecturers and concert artists, panelists, and professional theatre groups. The gift of Wellesley alumnae, the building was erected in 1923.

### Arts Center

The Jewett Arts Center, completed in 1958, consists of the Mary Cooper Jewett Art Building and the Margaret Weyerhauser Jewett Music and Drama Building.



The Art Building contains the Wellesley College Museum with its teaching collection of choice examples of classical, medieval, and contemporary art. There are studios and classrooms, the art library and slide collections, and offices of the Art Department. During the academic year the museum has many exhibitions and is open to the public.

An exhibition corridor joins the two wings of the Jewett Arts Center and leads directly to the music and drama wing. The music library of books, scores and recordings is located here, as are listening rooms, well-equipped practice studios, classrooms and offices of the Music Department. A fine collection of musical instruments is available to the students.

The Jewett Auditorium, an intimate theatre seating 350 persons, was designed for chamber music performances. In addition, there are rehearsal rooms and other facilities for the theatre workshop.

### Chapel

The Houghton Memorial Chapel was presented to Wellesley in 1899 by the son and daughter of William S. Houghton, a trustee of the College. The Chapel's stained glass windows commemorate the founders and several former members of the College, while a tablet by Daniel Chester French honors Alice Freeman Palmer, Wellesley's second president. Beneath the main chapel which seats 1200 people there is a small, intimate Little Chapel.

### Child Study Center

Wellesley College opened the Child Study Center in the fall of 1969 under the direction of the Department of Psychology. It is located in the Anne L. Page Memorial Building, in which for many years was a college-run nursery school. The Center is designed for Wellesley undergraduates to study the learning processes among young children.

### Classrooms

Founders Hall, built in 1919, is dedicated to the Durants, and Pendleton Hall, built in 1935, honors Wellesley's president, (1911-36), Ellen Fitz Pendleton. They are located south and north respectively in the academic quadrangle. The humanities, social sciences and mathematics are taught in Founders. Pendleton contains the laboratories, lecture rooms, libraries and offices of the Departments of Chemistry, Physics and Psychology. Extensive equipment





and facilities provide opportunity for advanced work in these areas. There are additional classrooms in many other buildings.

## College Center

Billings Hall is the home of the new College Center. It also houses the various student organizations and is the bus terminal for the Wellesley-MIT cross-registrants. The recently remodeled building includes both small and large areas for meetings and discussions, and many recreational facilities including a snack bar open to the entire College community, and an informal coffee house.

Part of the Billings complex is Harambee House, a black student social and cultural center opened in the fall of 1969. In it are facilities for cooking and entertaining, as well as rooms for meetings and social gatherings.

## Gray House

Inexpensive overnight accommodations for male guests of students are provided at Gray House which is located between the infirmary and the observatory. Reservations are made by the hostess and charged to her.

## Green Hall

The offices of the President, the Board of Admission, the Deans, and all administrative offices directly affecting the academic and business management of the College are located in Green Hall. The building has large rooms for Academic Council and trustee meetings, class and seminar rooms, some faculty offices and the offices for Alumnae, Resources, and the College Information Services staff. Named for Hetty R. Green, the building was erected in 1931 and was in large part the gift of Mrs. Green's son and daughter, Col. Edward H. R. Green and Mrs. Mathew A. Wilks. The carillon in the Galen L. Stone Tower was the gift of Mrs. Charlotte Nichols Greene.

## Greenhouses

Classrooms in the Biological Sciences Department open directly into the greenhouses. They honor Margaret C. Ferguson former Wellesley professor of botany, and bear her name. The climate in the greenhouses ranges from temperate to tropic with many excellent examples of trees and flowers which flourish in the respective temperatures. There is extensive space for experiments by faculty and students. The greenhouses are open to the public daily throughout the entire year.

### **Housing for Faculty and Staff**

Wellesley maintains 37 houses and 65 apartments for faculty and administrative staff. Other campus buildings house maintenance and housekeeping staff.

### **Infirmary**

The Simpson Infirmary, a 29 bed hospital and outpatient clinic, was built in 1942. It is connected to the original infirmary (1881) which is now used for staff housing.

### **Library**

The Library's collection exceeds 470,000 volumes including some 20 per cent in department libraries. Subscriptions to periodicals number nearly 1900. Special collections contain autograph letters, manuscripts and rare books of distinction.

There is a seating capacity of 780, with 290 study carrels and 20 faculty studies. A language laboratory is available as are listening units for the collection of spoken and dramatic recordings. Special meetings, lectures and discussions may be held in the Library's Pope Room seating 100.

The Library, erected in 1910 and first enlarged in 1916, was the gift of Andrew Carnegie. A new wing in 1957, and renovations to the old building as well as the installation of the language laboratory in 1958 were the gifts of alumnae and friends, especially of David M. Mahood and Mrs. Helen M. Petit in memory of Helen Ritchie Petit of the Class of 1928. The Library is open to the public daily while College is in session and Monday through Friday during vacation.

### **Maintenance**

The Maintenance Building and nearby Physical Plant supply the services and utilities necessary to the upkeep of the College. Here are located the offices for grounds upkeep, security, housekeeping, and the resources for all utilities.

### **Observatory**

The Whitin Observatory contains laboratories, classrooms, darkrooms, and the library of the astronomy department. Its research equipment includes a six-inch, a twelve-inch, and a twenty-four inch telescope. The gift of Mrs. John C. Whitin, a trustee of the College, the observatory was built in 1900 and enlarged in 1962 and 1966. It is considered to be an unusually fine facility for undergraduate training in astronomy.

**Physical Education and Recreation**

Classes for all indoor sports and for modern dance are conducted in Mary Hemenway Hall, the gymnasium, and in the nearby Recreation Building. The latter has game rooms, badminton and squash courts, and a large swimming pool. Outdoor water sports center around the boat-house where the canoes, sailboats and crew shells are housed. Wellesley maintains a nine hole golf course, 16 tennis courts, and hockey and lacrosse fields.

The older of the two buildings, Hemenway, was built in 1909, when the Boston Normal School of Gymnastics affiliated with the College and Mrs. Hemenway of Boston provided the funds for the building. The Recreation Building was opened in 1939. Its pool bears the name of George Howe Davenport, a trustee and generous benefactor of the College.

**President's House**

The President's House, formerly the country estate of Wellesley's founders, the Durants, sits on a hill just south of the main campus. The house overlooks spacious lawns and the lake. Remodeled and renovated in 1968, the house



is now occupied by President Adams. It is frequently opened to various groups from the college community and is also the scene of alumnae and trustee gatherings as well as receptions for distinguished visitors.

### Residence Halls

The thirteen residence halls are arranged in four groups: one in the northwest corner of the campus; another west, on the hill overlooking the Lake; a third slightly southeast of the lake shore; and the fourth stretching to the northeast. The buildings have large spacious livingrooms and smaller common rooms. Each has its own dining facilities, and there are both single and double rooms. Almost all the buildings have a small kitchenette on each floor and every building has coin operated washers and dryers. There are separate apartments for the heads of houses. The residence halls bear the names of past presidents, faculty and students, as well as alumnae, trustees and friends of the College.

Each residence, its location and student capacity is listed below:

Munger Hall and Hazard Quadrangle		Northwest
Munger	125 students	
Hazard Quadrangle:		
Beebe	120 students	
Cazenove	120 students	
Pomeroy	120 students	
Shafer	120 students	
Tower Court	245 students	West
Clafin	120 students	
Severance	150 students	
Stone-Davis		Southeast
Stone	100 students	
Davis	100 students	
Bates-Freeman-McAfee		Northeast
Bates	140 students	
Freeman	140 students	
McAfee	140 students	

In addition to residence halls for students, there are dormitories used exclusively for housing college employees engaged in food and household services.

### Sage Hall

Located some distance from the academic quadrangle and on the northeast side of the campus, Sage Hall houses the Biological Sciences and Geology Departments. The building has laboratories, lecture rooms, a library, vivarium, aquarium, a teaching museum and an extensive map collection for geography.







### **Society Houses**

There are five houses for special interest groups, three located south of the Library, another south of Billings, and one, Shakespeare, west of the Jewett Arts Center. Each house has kitchen and dining facilities, a livingroom and other gathering rooms. Members are drawn from all four classes, beginning with second semester freshmen. The Society houses are listed below :

Agora  
Phi Sigma  
Shakespeare  
Tau Zeta Epsilon  
Zeta Alpha

Politics and sociology  
Modern Literature  
Shakespearean drama  
Art and Music  
Modern Drama

### **Wellesley College Club**

Completed in 1963, the Club is a center for faculty, staff and alumnae. Its handsome reception rooms and dining rooms are used for many special occasions and daily by its members for lunch and dinner. There are a number of bedrooms for the use of guests, alumnae, and parents of students and prospective students.







## THE CURRICULUM

The curriculum provides a framework within which students are invited to explore various fields in the arts and sciences. When students decide on an area of concentration they then select courses in other fields to provide complementary or contrasting experiences. These, together with the major, enable students to achieve a broadly liberal education.

In developing the curriculum, the faculty has tried to present diverse offerings among which students will gradually perceive interrelationships. Through study of different disciplines and bodies of knowledge, students perceive the coherent unity among diversity which is traditionally termed a liberal arts education.

By the time the Bachelor of Arts degree is earned, the student should be acquainted with the main fields of human interest, capable of integrating knowledge from various fields, and prepared for continuous scholarly growth and responsible participation in society. In the major field, the student is expected to demonstrate maturity of thought, acquaintance with recognized authorities in the field, and general competence in dealing with sources of research or analysis.



## Requirements for Degree of Bachelor of Arts

Each candidate for the degree of Bachelor of Arts is required to complete 32 units of academic work at a C average or better. Each semester course is assigned 1 unit of credit. The normal period of time in which to earn the degree is four years and a normal program of study consists of from three to five courses a semester.

Courses are classified in Grades I, II and III. Introductory courses are numbered 100–199 (Grade I); intermediate courses, 200–299 (Grade II); advanced courses, 300–370 (Grade III). Each student shall include at least 4 units of Grade III work, at least 2 of which shall be in the major. The program in the senior year may not include more units of Grade I than of Grade III work and at least 2 must be of Grade III.

### General Requirements

In order to provide students with as much freedom as possible, Wellesley requires no specific courses. To insure, however, that students gain insight and awareness in areas outside their own majors the College does require that they choose three semester courses in each of three general areas during the four year period. These three groupings are:

**Group A** Literature, Foreign Languages, Art, and Music  
3 units chosen from courses in the Departments of Art, Chinese, English, French, German, Greek, Latin, Italian, Music, Russian, Spanish; or from extra-departmental literature courses.

**Group B** Social Science, Religion and Biblical Studies, and Philosophy  
1 or 2 units chosen from courses in the Departments of History, Philosophy, Religion and Biblical Studies,  
**and**  
1 or 2 units chosen from courses in the Departments of Economics, Political Science, Psychology, Sociology and Anthropology.

**Group C** Science and Mathematics  
3 units, at least 1 of which shall be in a laboratory science, chosen from courses in the Departments of Astronomy, Biological Sciences, Chemistry, Geology, Mathematics, Physics, or the extradepartmental course History of Science II.

Freshmen are encouraged to carry a maximum of four courses each semester, but upperclassmen may take five.

Before the beginning of the senior year students must exhibit a degree of proficiency in the use of one foreign language, either ancient or modern. Many students fulfill the requirement by passing one of the language tests offered by the College Entrance Examination Board (CEEB). Wellesley requires scores of 610 or better on the CEEB Achievement Test, or a score of at least 3 on the Advanced Placement Examination (AP). This requirement can also be met by the completion of 2 units of language study above the first year level. Students may take beginning courses in only two **modern** foreign languages. Credits for the foreign language requirement cannot be attained at summer school.

In addition each student must complete the physical education requirement described on pp. 150–151 for which no academic credit is given.

Students are expected to use acceptable standards of spoken and written English in their college work. Special assistance in English, mathematics and other basic and special skills are offered at the College.

### The Major

Wellesley students may choose majors offered by 23 departments, three interdepartmental majors—Black Studies, Classical Archaeology, and Molecular Biology—or they may devise an individual major. Of the 32 units required for graduation, at least 8 are to be elected in the major, and no more than 14 in any one department.

Students who are interested in an individual major submit a plan of study to two faculty members from different departments. This plan should include 4 units in one department above the introductory level. The program for



the individual major is subject to the approval of the Committee on Curriculum and Instruction. Some students wish to center their study upon an area, a period, or a subject which crosses conventional departmental lines. Examples of possible area studies are Asian Studies, Latin American Studies, Russian Studies, United States Studies; of periods, the Middle Ages, the Renaissance; of subjects, Classical Civilization, International Relations, Theatre Studies, Urban Studies.

In the second semester of the sophomore year each student elects a major field and prepares for the Recorder a statement of the courses to be included in the major. Later revisions may be made with the approval of the chairman of the major department or, in the case of the individual major, with the student's advisers, and be presented to the Recorder not later than the second semester of the junior year.

### Academic Standards

Academic standards at Wellesley are high, and students take full responsibility for attending classes, getting required work in on time, appearing for examinations. If students have difficulties with course work, become ill, or have other problems which interfere with school work they should consult with their class dean for assistance in making special arrangements for their studies.

Students are expected to maintain diploma grade standing throughout the college career. At the end of each semester each student's record is reviewed, and appointments with the class dean or faculty adviser are arranged if needed. The College tries to provide the appropriate support services to students in difficulty. Students who show consistent effort are rarely excluded from College.

### Exemption from Required Studies

Students may be exempted from any of the studies required for the degree, provided they can demonstrate to the department concerned a reasonable competence in the elements of the course. Exemption from any of the studies required does not affect the general requirement for completion of 32 units for graduation. It does, however, make it possible for some students to select more advanced courses earlier in their college careers.





Such exemption may be achieved in one of two ways:

A score of 4 (Honors) or 5 (High Honors) on the CEEB Advanced Placement Test (AP);

or

Passing a special exemption examination.

Permission for the exemption examination must be obtained from the class dean and the chairman of the department concerned. (See **Examinations**.) In addition to the evidence offered by the examination some departments may require the student to present a paper or an acceptable laboratory notebook.

## **Examinations**

An examination period occurs at the end of each semester. Special examinations are offered in September to qualified students to earn credit for work done independently, for admission to advanced courses without the stated prerequisites, and for exemption from required studies.

Students who wish credit towards the degree for work done independently in the summer, or for more than 2 units taken in summer school, should consult the appropriate department and the class dean, and should apply to the Recorder at least a month in advance for a special examination to be given at the beginning of the college year.

## **Credit for Advanced Placement Examinations**

Students entering under the Advanced Placement Program and receiving scores of 4 (Honors) and 5 (High Honors) in the AP Examinations in this program may apply for college credit for each examination, with the following exceptions: 1 unit is given for the Latin 4 examination, and 1 unit is given for the Mathematics AB examination. 1 unit is given for a score of 3 in the Mathematics BC examination. Not more than 2 units are credited in any one subject.

## **Credit for Other Academic Work**

Of the 32 units required for the degree of Bachelor of Arts, a student may earn a maximum of 16 units through a combination of the following: AP examinations, courses taken at another institution during the summer or the academic year, or independent study off campus which is then



evaluated by a Wellesley department. Two units may be earned in summer school and 2 units for independent study. Eight units may be earned through courses taken at another institution during a leave of absence.

### Leave of Absence

A few students find it wise to interrupt the normal sequence and spend a semester or two away from Wellesley either working, or enrolled at another institution. This flexibility in developing individual educational goals is sometimes advantageous. Application for leave of absence may be made to the class dean at any time after a student has completed at least one year at Wellesley.

To obtain permission to spend the year at another institution, a student submits a detailed plan to the class dean or adviser and if a major has been chosen, to that department. The plan should list the course of study for the year and justify its relationship to the four year program.

### Cross-Registration Program with the Massachusetts Institute of Technology

A five-year experimental program of cross-registration of students at Wellesley and the Massachusetts Institute of Technology was officially inaugurated in 1968–69. The program allows students to elect courses at the other institution, and extends the diversity of educational experiences available in the curriculum and in the environments of each. The two schools combine their academic, extra-curricular, and operational resources while maintaining the separate strengths, independence, and integrity of each institution.

A Wellesley student interested in exploring the possibilities of electing a specific course at M.I.T. should consult her department adviser or the appropriate exchange program faculty adviser. Since the number of participants in the exchange is limited, upperclassmen are given first preference.

### The Twelve College Exchange Program

Wellesley belongs to a consortium which includes Amherst, Bowdoin, Connecticut College, Dartmouth, Mount Holyoke, Smith, Trinity, Vassar, Wesleyan, Wheaton and Williams. Students in good standing may apply through the Coordinator for a semester or full academic

year in residence at any of the member institutions. The combined resources of this Exchange offer students an unusually rich and extensive educational opportunity.

### **The Junior Year Abroad**

Qualified students may apply for admission to various groups spending the junior year in Europe. Wellesley students may study in Paris under the plan sponsored by Sweet Briar College, or in Munich under the auspices of Wayne University, or in Florence, Geneva, Madrid, or Paris with groups organized by Smith College.

The Wellesley Slater Junior Year Abroad Scholarships are available to juniors who have been accepted by one of the approved Junior Year Abroad programs. The selection of award recipients is made early in the second semester of the sophomore year on the basis of academic qualifications and faculty recommendations, and the amount of each individual award is determined according to need. Information about these scholarships may be obtained from the class dean.



### **Freshman-Sophomore Colloquia**

These colloquia give students the chance to work closely in small groups with individual faculty members. They are designed to provide the sort of educational experience which previously was enjoyed only by upperclassmen. They are similar to the advanced seminars in that they stress independent work, discussion, and oral and written presentations.

### **Research or Individual Study**

Each department of the College which offers a major course of study provides the opportunity for certain students to undertake a program of individual study directed by a member of the faculty. Under this program an eligible student may undertake a research project or a program of reading in a particular field. The results of this work normally are presented in a final report or in a series of short essays. The conditions for such work are described under the course numbered 350 in each department. Further opportunities for research and individual study are described under the Honors Program.

## Academic Distinctions

### The Honors Program

The Honors Program is open to students with strong academic records who wish to undertake independent work in their senior year. Each candidate for honors completes an individually chosen research project, supervised by a member of the faculty and entered on the record as 370, Honors Research (2 units). The successful completion of the independent work and of the honors examinations leads to the award of Honors or High Honors in the Major Subject.

### Other Academic Distinctions

The College confers Freshman Honors on the students who maintain high academic standing during the freshman year and names in convocation the juniors and seniors whose records after the freshman year are at the level of Wellesley College Scholars and Durant Scholars. Final honors, conferred at Commencement, are based on academic records after the freshman year and include the title Wellesley College Scholar for high academic standing and Durant Scholar for the highest academic standing.

Juniors and seniors are elected to membership in the Eta of Massachusetts Chapter of Phi Beta Kappa on the basis of their total academic achievement in college, and seniors who are majoring in the sciences may be elected to associate membership in the Wellesley Chapter of Sigma Xi.

On recommendation of the faculty the Trustees award to four seniors who intend to pursue graduate studies the title of Trustee Scholar. The awards are made on a competitive basis in two categories: two for graduate study without restriction as to subject; two for graduate study undertaken as preparation for college teaching. The title is honorary; in cases of financial need stipends are awarded to the Scholars or, if not required by them, to alternates who need financial assistance. Applications and supporting credentials are due in the President's Office by January 15.

Certain prizes have been established at the College for the recognition of merit in a particular field. They carry a small stipend or gift and usually bear the name of the donor or the person honored, and are awarded for excellence by the departments.

### Career Preparation

A liberal arts education does not prepare a student for a specific career. It is intended to provide that broad back-

ground upon which a student depends in indescribable ways throughout a lifetime. The Wellesley program provides a student with the chance to explore various fields of knowledge and to secure in-depth preparation in a specific major field. The student then can either begin a career or pursue further study in graduate school for more specialized professional work.

During the undergraduate years a student may meet the requirements for the degree of Bachelor of Arts and at the same time prepare to enter professional schools, for example, architecture, law, medicine, public health, social service, education. A sound education in the liberal arts is considered the best preparation for admission to most professional schools, but a student who is interested in any one of the professions should consult the class dean to plan a particular emphasis in the undergraduate program.

**Teaching in Elementary and Secondary Schools**

Some teaching positions in public as well as in private schools are open to college graduates without further study. Students who complete the course in supervised teaching and 3 other units of study in education and 2 in psychology are able to fulfill the minimum requirements for a teaching license in many states.

Qualification for supervised teaching necessitates that all requirements for distribution and the major (with the possible exception of 1 unit of independent study) be completed in three and one-half years. With or without credit for Advanced Placement and summer study, careful planning permits easy scheduling to this effect.

A student who intends to teach should consult the chairman of the Department of Education about requirements for certification and ways of preparing to meet them as soon as possible.

**College Teaching and Research**

A student who wishes to enter college teaching and research will find that the undergraduate work of the College provides preparation for graduate study leading to advanced degrees in the arts and sciences. The chairman of the major department or of the department in which a student hopes to pursue graduate study should be consulted as soon as possible to learn which courses in the field of special interest and which foreign languages will be most useful. It should be noted that for graduate study in many fields a reading knowledge of two specified



foreign languages is required. The student will find the class dean, the faculty adviser, the chairman of departments, and staff of the Career Services Office helpful in locating information about graduate schools.

### **Medical School**

In general, the minimum requirements for admission to recognized medical schools can be met by 4 units in chemistry, 2 units in physics and 2 units in biology. Because there is some variation in minimum requirements, students should consult the most recent catalogues of the particular medical schools in which they are interested.

Many students planning to study medicine elect pre-medical sciences in the freshman year and major in one of them. A number of medical schools stress the importance of a liberal arts education as a preparation for medical studies and accept applicants regardless of their major provided they have fulfilled the minimum requirements for admission. Premedical students, therefore, are free to major in the field which interests them most.

Members of the pre-medical advisory committee and its Chairman, the Dean of Students, will be glad to discuss curricular problems with students who are considering going into medicine.

### **Civil Service**

A student wishing to qualify for examinations offered by the United States Civil Service Commission or various state and local civil service agencies should consult the major department and the Career Services Office about current requirements.

### **Withdrawal**

Students who plan to withdraw must inform the class dean. A withdrawal form will then be sent to the parents or guardian for their signature. The official date of withdrawal is considered to be the date on which the signed form is received by the Recorder of the College. The withdrawal date is important in order to compute costs and possible rebates. For regulations concerning withdrawal rebates see p. 24.

The College reserves the right to require the withdrawal of any student whose academic work falls below its standards, or for whom Wellesley may not have been the best choice. In such cases of involuntary withdrawal, which are rare, the official date of withdrawal is considered to be the date upon which the student leaves the College.





## Readmission

A student who has withdrawn from College and wishes to return should apply to the Office of the Dean of Students for the appropriate forms. Readmission will be considered in the light of the reasons for withdrawal and reapplication, and of the space currently available. A non-refundable fee of \$15 must accompany the reapplication form.

## Requirements for Degree of Master of Arts

The Master of Arts degree is offered in a few departments, primarily in the sciences. The College does not maintain a program of courses for graduate students separate from those offered for undergraduates. Properly qualified graduate students are admitted to Grade III courses, to seminars, and to course 350, Research or Individual Study.

A candidate for the degree of Master of Arts is required to complete 8 units graduate work, which ordinarily includes a thesis embodying the results of original research. The program is arranged by the student's major department and is subject to the approval of the Committee on Graduate Instruction. A reading knowledge of French or German, to be tested by examination at entrance, is required. Individual departments may require a second language. At least one year in residence is required of all candidates.

Information regarding admission, living arrangements and graduate assistantships may be obtained from the Committee on Graduate Instruction, Office of the Dean of the College.

## Continuing Education

Through its Office of Continuing Education, Wellesley College provides a nonresidential program in which qualified women may enroll, either part-time or full-time, in regular course work at the College. Some of these women will be resuming study toward the Bachelor of Arts degree after an interruption in their college work; others who have undergraduate degrees may need further training or re-education in preparation for graduate study, or may simply wish to start exploring a new field.

Interested women hoping to combine further study with family or vocational responsibilities are invited to write the Office of Continuing Education for further information.

# COURSES OF INSTRUCTION

A semester course which carries 1 unit of credit requires approximately eleven hours of work each week spent partly in class and partly in preparation. The amount of time scheduled for classes varies with the subject from two periods each week in many courses in the humanities and social sciences to three, four, or five scheduled periods in certain courses in foreign languages, in art and music, and in the sciences. Classes are scheduled from Monday morning through late Friday afternoon; examinations may be scheduled from Monday morning through late Saturday afternoon.

## Legend

The following symbols will be used for special designations:

### Courses numbered

- 100–199 = Grade I courses
- 200–299 = Grade II courses
- 300–370 = Grade III courses
  - (1) = Offered in first semester
  - (2) = Offered in second semester
  - (1) (2) = Offered in both semesters
  - (1 - 2) = Continued throughout the school year
- 1 or 2 = Units of credit

- a = Absent on leave
- a<sup>1</sup> = Absent on leave during the first semester
- a<sup>2</sup> = Absent on leave during the second semester
- <sup>3</sup> = Part-time instructor
- [ ] = Numbers in brackets designate courses listed only in earlier catalogs
- \* = Offered in alternate years. Note: Unless specifically stated such courses will be offered in 1970–1971
- \*\* = Course may be elected to fulfill in part the distribution requirement in Group A
- \*\*\* = Course may be elected to fulfill in part the distribution requirements in Group C



## ART

PROFESSOR: Shell  
 ASSOCIATE PROFESSOR: Frisch<sup>4</sup>  
 ASSISTANT PROFESSORS: Anderson (Chairman),  
     Fergusson<sup>4</sup>, Wallace, Moffett  
 INSTRUCTORS: Janis, Arken, Marvin, Bargellini,  
     Caviness<sup>1</sup>, Matthews<sup>2</sup>  
 LECTURER: Clapp<sup>3</sup>  
 RESIDENT ARTISTS: Rayen, Robinson, Larrabee,  
     Sokoloff  
 VISITING ASSOCIATE PROFESSOR: Holden<sup>1</sup>

## History of Art

Some of the courses in art history include laboratory work in the one or more media with which the course is concerned. The department believes that laboratory training has great value in developing observation and understanding of artistic problems, and for this reason requires it of majoring students. It should be stated, however, that no particular aptitude is required and that the work is adjusted to the student's ability.

### 100 (1-2) Introductory Course

2

The major styles in western architecture, sculpture, and painting from ancient Greece to c. 1800. A foundation for further study of the history of art. Simple laboratory work requiring no previous training or artistic skill planned to give the student a greater understanding of artistic problems. Open only to freshmen and sophomores.

THE STAFF

**200 (1-2) Arts of the Ancient World 2**

A general exploration of characteristic forms of art and architecture in early civilizations around the Mediterranean: the Stone Age, Egypt and Mesopotamia, Crete and Mycenae, classical Greece, Etruria, Rome, and the early Byzantine world. First semester: cities and their functions, public monuments, sculpture, techniques of archaeology. Second semester: religious and private life, funeral customs, painting, minor arts, aesthetics. Either semester may be taken independently. Background reading is required if elected in second semester only. Prerequisites: 100 or 215 or permission of the instructor. MISS MARVIN

**202 (1) Medieval Sculpture and Painting 1**

A study of western European sculpture, manuscript painting, ivories, and metal work from the late Roman through the High Gothic period. Open to sophomores who have taken 100, and to juniors and seniors without prerequisite. MISS BARGELLINI

**203 (2) Medieval Architecture 1**

The architecture of Western Europe from the fall of Rome to the beginning of the Renaissance with particular concentration on the great Romanesque and Gothic monuments. Occasional conferences. Open to freshmen and sophomores who have taken or are taking 100, and to juniors and seniors without prerequisite. MRS. CAVINESS

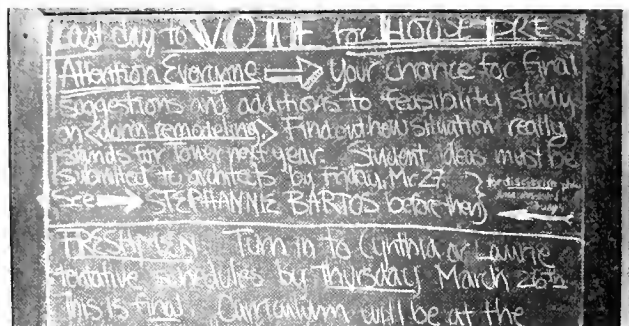
**215 (1) European Art Through the Renaissance 1**

The major movements in architecture, sculpture, and especially painting from classical antiquity to c. 1550. Students attend 100 lectures but not 100 conferences or laboratories. Students will be assigned staff advisers for consultation. Open to sophomores who have taken History 100 or its equivalent, or Italian 100 or its equivalent, and to juniors and seniors without prerequisite. Not open to students who have taken 100. THE STAFF

**216 (2) European Art Since the Renaissance 1**

Western art from the Renaissance to the present with emphasis on painting, sculpture, and architecture. Students attend 100 lectures but not 100 conferences or laboratories. Students will be assigned staff advisers for consultation. Open to sophomores who have taken 215, and to juniors and seniors without prerequisite. Not open to students who have taken 100. THE STAFF





**219 (1) Painting and Sculpture of the Nineteenth Century 1**

A study of painting and sculpture of the 19th century in Europe and America with emphasis on France. Open to sophomores who have taken 100, by permission to freshmen who are taking 100, and to juniors and seniors without prerequisite.

MRS. JANIS

**220 (1) Painting and Sculpture of the Seventeenth and Eighteenth Centuries in Southern Europe 1**

A study of Italian and Spanish painting and sculpture with special emphasis on Caravaggio and Bernini, and on El Greco and Velasquez. Prerequisite: same as for 202.

MR. WALLACE

**221 (2) Painting and Sculpture of the Seventeenth and Eighteenth Centuries in Northern Europe 1**

Flemish, Dutch, French, and German painting and sculpture of the 17th century with emphasis on Rembrandt and Rubens. French and English painting and sculpture of the 18th century. Prerequisite: same as for 202.

MR. WALLACE

**224 (1-2) Modern Art 2**

The major developments in painting, sculpture, and architecture from early in this century to the present. Conference sections in second semester. Background reading is required if elected in second semester only. Either semester may be taken independently. Prerequisite: 100 or 216 or 219 or permission of the instructor.

MR. MOFFETT

MRS. MATTHEWS

**225 (1) American Art 1**

A survey of American art from colonial times to the present. Emphasis on developments in painting, sculpture, architecture, and the decorative arts before 1900. Some attention given to the relation between the art and the social history and literature of the time. Prerequisite: same as for 202. MR. HOLDEN

**226 (1) History of Afro-American Art 1**

A survey of Afro-American Art from colonial times to the present. Special attention will be given to the relationship between Afro-American Art and social and cultural conditions in America. Open to all students.

MR. ROBINSON

**249 (2) Far Eastern Art 1**

Topic for 1970–71: Japanese Art. An introduction to the sculpture and pictorial arts of Japan from the early Buddhist period through the 18th century wood block print. Topic for 1971–72: Chinese Art. Topic for 1972–73: The Arts of Buddhism. Open to sophomores, juniors and seniors who have taken one course in the history of art or History 225 or 226 or 227 or 338. MRS. CLAPP

**302 (1) Italian Painting: the Fourteenth and Fifteenth Centuries 1**

A study of selected artists whose work significantly illustrates the character of the late medieval and the early Renaissance styles. Particular attention to Florentine masters. Open to juniors and seniors who have taken or are taking a Grade II course in the department, or by permission of the instructor. MRS. ANDERSON

**303 (2) Italian Painting: the Sixteenth Century 1**

Studies of the major masters of the High Renaissance followed by the examination of some selected Mannerist painters and of those developments within 16th century painting which lead in the direction of the Baroque. Considerable attention to Venetian masters. Prerequisite: same as for 302. MRS. MATTHEWS

**304 (1) Late Medieval and Renaissance Sculpture 1**

A study of major sculptors from the 14th century to the



end of the 16th century with emphasis on Italy and the work of Giovanni Pisano, Donatello, Ghiberti and Michelangelo. Prerequisite: same as for 302. MRS. AIKEN

**306 (1) (2) The Graphic Arts from the Renaissance to the Present 1**

Emphasis on the styles of Dürer, Rembrandt, Goya, Picasso. Special attention to the influence of technique upon style. Laboratory instruction in the processes of woodcut, engraving, etching, lithography. Visits to collections. Open by permission to juniors and seniors who have taken a Grade II course in the department.

(1) MR. ROBINSON (1) (2) MRS. JANIS  
(2) MR. SOKOLOFF

**308 (1) Renaissance and Baroque Architecture 1**

The early and High Renaissance, Mannerist, and Baroque styles of the 15th through the 18th centuries, with particular emphasis on Italy. Prerequisite: same as for 302. NOT OFFERED IN 1970-71.

**311 (2) Painting of Northern Europe 1**

The period from the late 14th century to the mid-16th century in France, Germany, and the Low Countries. Prerequisite: same as for 302. MRS. AIKEN

**312 (2) Problems in Nineteenth and Early Twentieth Century Art 1**

A study of special problems of interpretation in 19th and early 20th century art, e.g., "Romantic Imagery," "Interpretations of Manet," "Photography and Painting," "Historicism," "Origins of Abstraction." Emphasis on extensive reading and class discussion. Prerequisite: 219 or permission of the instructor. MRS. JANIS

**330 (2)\* Seminar. Italian Painting 1**

Intensive study of one or more of the fundamental problems in the history of Italian painting. Open by permission to juniors and seniors who have taken 302 or 303.

MRS. ANDERSON

**331 (2) Seminar 1**

Topic for 1971-72 to be announced. NOT OFFERED IN 1970-71.

MR. SHELL

**332 (2) Seminar. Medieval Art 1**

Intensive study of one or a series of related problems in medieval painting or sculpture. Open by permission to juniors and seniors who have taken 202 or 203.

MISS BARGELLINI

**333 (1) Seminar. Baroque Art 1**

Problems of style, connoisseurship, and iconology in 17th century art concentrating on major Italian or northern Baroque masters. Open by permission to juniors and seniors who have taken 220 or 221.

MR. WALLACE

**334 (2) Seminar. Ancient Art 1**

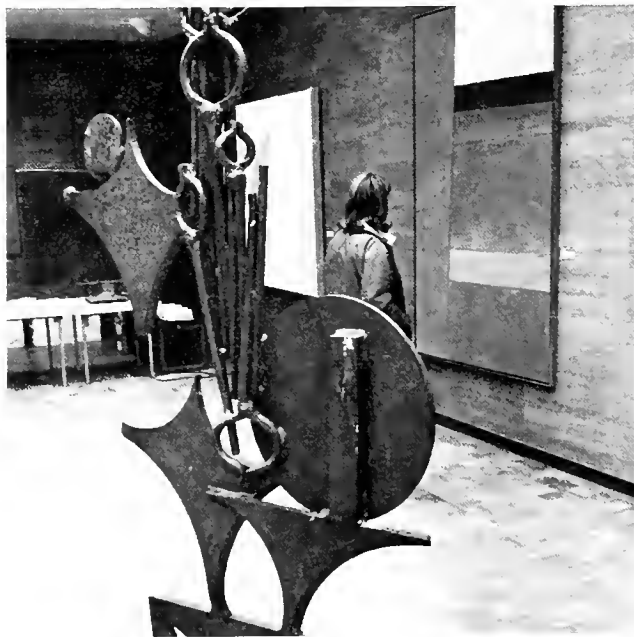
Intensive study of one or more of the fundamental problems in the history of ancient art. Open to juniors and seniors who have taken 200 or 201 or by permission of the instructor.

MISS MARVIN

**335 (1) Seminar. Selected Problems in the History of Art 1**

Topic for 1970–71: Problems in 20th century sculpture. Prerequisite: permission of the instructor.

MR. MOFFETT



**345 (2) Senior Major Seminar 1**

Required in the senior year of all majors except honors candidates.

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors who have taken or are taking a Grade III course.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Studio Courses**

As many as 4 units of studio work may be counted toward the degree provided an equal number of units in the history of art is counted. Studio work should ordinarily follow or be concurrent with work in the history of art.

**104 (2)\* Introductory Sculpture 1**

Basic modeling with emphasis on intensive observation of natural forms to develop the ability to translate volume and space into sculptural terms. Some work in terra cotta, direct plaster, and casting. Open to sophomores, juniors, and seniors, and by permission to freshmen who have studied art before entering college. Four periods of class instruction and four of studio practice.

MR. LARRABEE

**105 (1) (2) Introductory Drawing 1**

Introductory drawing with emphasis on basic forms in spatial relationships. Stress on the essential control of line in a variety of media. Prerequisite: same as for 104. Four periods of class instruction and four of studio practice.

(1) MR. SOKOLOFF

(1) (2) MR. ROBINSON, MR. RAYEN

**106 (1) Introductory Color and Painting 1**

Basic problems in the interaction of colors; study of basic forms in plastic relationships. Prerequisite: same as for 104. Five periods of class instruction and three of studio practice.

MR. RAYEN

**204 (1) (2) General Techniques Course 1**

A survey of all significant technical material related to

the history of western painting from the Middle Ages. Included are laboratory problems of purely technical nature requiring no artistic skill. Required of all art majors. Open to other students who are taking art history courses on the Grade II or Grade III level. (1) MR. LARRABEE

(1) (2) MR. SOKOLOFF (2) MR. RAYEN

### **206 (1) Watercolor and Oil Painting 1**

Landscape, still life, and painting from model. Open to sophomores, juniors, and seniors who have taken 100 or 105 or 106. Five periods of class instruction and three of studio practice. MRS. FRISCH

### **208 (2)\* Advanced Drawing 1**

An approach to drawing based upon both direct visual observation and stylistic analysis of master drawings. Problems dealing with the progress from line to form to chiaroscuro. Study of anatomy and composition. Open to sophomores, juniors, and seniors who have taken 105, or by permission upon presentation of a portfolio. Five periods of class instruction and three of studio practice.

MR. LARABEE, MR. SOKOLOFF



### **Directions for Election**

A major in art must include course 100 (unless an exemption examination is passed) and at least 6 further units in the history of art, chosen to make adequate distribution in the different arts and different periods. Normally 4 units should be elected outside the special area of concentration.

Students majoring in art history should plan to take 204 in the second semester of the sophomore year or in the first semester of the junior year.

The department does not encourage over-specialization in one area but, by careful choice of related courses, a student majoring in art may plan a field of concentration emphasizing one period such as Ancient, Medieval, Renaissance, Baroque, 19th or 20th Century art. Students interested in such a plan should consult the chairman of the department as early in the freshman or sophomore year as possible.

A reading knowledge of German and French, or Italian, is strongly recommended.

The attention of students is called to the extradepartmental program in classical archaeology.



# ASTRONOMY

PROFESSOR Hill (Chairman)  
ASSOCIATE PROFESSOR: Birney  
ASSISTANT PROFESSOR: Adler

## **103 (1) (2) Introduction to Astronomy 1**

Relationships of earth and sky; the solar system, stars, and galaxies. Open to all students. Two periods of lecture and discussion weekly with a third period every other week; laboratory in alternate weeks, and evening work at the Observatory, unscheduled, for observation and use of the telescopes. THE STAFF

## **104 (2) Stellar and Galactic Astronomy 1**

The following topics from Astronomy 103 will be discussed in depth: the sun, ages and evolution of stars, stellar populations, variable and unusual stars, the universe of galaxies. Open to students who have taken Astronomy 103 and who have 4 admission units in mathematics or have taken or are taking Mathematics [109] or 110 or the equivalent. MISS HILL, MR. ADLER

## **200 (2) Modern Physics 1**

For description and prerequisite see Physics 200.

**202 (1) Optical Physics 1**

For description and prerequisite, see Physics 202.

**203 (2) Recent Developments in Astronomy 1**

Contemporary problems in optical, radio, and space astronomy. Astronomical observations from outside the earth's atmosphere. Radio galaxies and quasars. Prerequisite: 103 or [105].  
MR. BIRNEY

**206 (1) Basic Astronomical Techniques 1**

Visual and photographic use of telescopes. Measurement and reduction of photographic plates. Analysis of observations. Selected problems in practical astronomy. Prerequisite: 103 or [105] and Mathematics [109] or 111.

MISS HILL

**216 (1) Applications of Mathematics in the Physical Sciences I 1**

For description and prerequisite, see Extradepartmental 216.



**217 (2) Applications of Mathematics in the Physical Sciences II 1**

For description and prerequisite, see Extradepartmental 217.

**302 (2) Galactic Structure 1**

Distribution and kinematics of the stellar and nonstellar components of the Galaxy. Local structure, solar motion, velocity ellipsoids. Large scale structure, populations, rotation. Prerequisite: 103 or [105], and 216 or Mathematics [204] or 208. MISS HILL

**304 (1)\* Introduction to Astrophysics 1**

The physical nature of the sun and stars derived from analysis of their spectra. Prerequisite: same as for 302. NOT OFFERED IN 1970-71. MR. BIRNEY

**349 (1)\* Selected Topics 1**

Intensive study of a specific field. Topic for 1970-71: The Sun. Prerequisite: same as for 302. MR. ADLER

**350 (1) (2) Research or Individual Study 1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

The following courses form the minimum major: [105] or 103-104, 206, 217, 302; Physics 200, 202; and one additional Grade III course in physics or astronomy. In planning a major program students should note that some of these courses have prerequisites in mathematics and or physics. Additional courses for the major may be elected in the Departments of Physics, Mathematics, Astronomy.

A substantial background in physics is required for graduate study in astronomy. A student planning to enter graduate school in astronomy should supplement the minimum major with courses in physics, including Physics 306 and, if possible, other work at the Grade III level. The student is also urged to acquire a reading knowledge of French, Russian, or German.

## BIOLOGICAL SCIENCES

PROFESSORS: Creighton, Wyckoff, (Chairman)  
Fiske<sup>†</sup>, Padykula

ASSOCIATE PROFESSORS: Gauthier<sup>†</sup>, Widmayer

ASSISTANT PROFESSORS: Harrison, Melvin, Bibb,  
Allen, Smith, Rubenstein, Coyne

Unless otherwise noted all courses meet for five periods of lecture, discussion, and laboratory weekly.

### **103 (1) Plant Biology 1**

Investigations of plants in the laboratory, field, and greenhouses through observations and experimentation. Emphasis on growth and reproduction in the flowering plants. Open to all students except those who have taken [102].

MISS CREIGHTON, MR. BIBB

### **104 (1) Microbiology 1**

Structure, growth, reproduction, and activities of microorganisms, their interaction with the environment, and their economic uses. Open to all undergraduates except those who have taken [204].

MRS. WYCKOFF, MRS. ALLEN

**105 (1) (2) Animal Biology 1**

Investigations of representative animals through observations and experimentation. Emphasis on structure and function in relation to the external and internal environment; some work in embryology and the theory of evolution. Open to all students except those who have taken [102].

(1) (2) MRS. COYNE, MRS. TRESCOTT  
(1) MRS. HARRISON (2) MR. RUBENSTEIN

**106 (1) (2) Cell Biology 1**

Investigations of cells and organisms through observation and experimentation. Study of cell structure, cell chemistry, energy relationships, and genetics. Open to all students except those taking 107 and 108.

(1) (2) MISS WIDMAYER (2) MR. BIBB

**107 (1) (2) Cell Biology 1**

Study of cell structure, cell chemistry, energy relationships, and genetics. Two periods of lecture and one period of discussion. No laboratory. This course does not fulfill the laboratory requirement in Group C. Open to all students except those who have taken 106.

MRS. MELVIN

**108 (2) Cell Biology 1**

Research-type investigations of cells and cell processes. Open only to students electing 107 as a prerequisite or a corequisite.

**150 Colloquium 1**

NOT OFFERED IN 1970-71.

**201 (1) (2) Introductory Ecology 1**

An introduction to population and community ecology. Interspecific and intraspecific relationships among organisms. Succession of plants and social behavior of animals. Emphasis on evolutionary aspects of ecology. Open to students who have taken 1 unit of biology or by permission of the instructor.

MISS SMITH

**202 (1) Comparative Anatomy 1**

Comparative anatomy of the chordates with emphasis on evolutionary trends within the vertebrate group. Dissec-



tion of representative forms including the dogfish and the cat. Open to freshmen and sophomores who have taken [102] or 105, and to juniors and seniors without prerequisite. MR. RUBENSTEIN

**203 (2)\* Biology of Ferns, Gymnosperms, and Angiosperms 1**

Structure, function, and identification of the vascular plants. Observation and experimentation in the laboratory, field, and greenhouses. Open to students who have had [102] or 103 or the equivalent. MISS CREIGHTON

**205 (1) Genetics 1**

Principles of inheritance; structure and function of hereditary informational molecules; application of genetic principles to biological problems. Laboratory and lecture material selected from plant, animal, microbial and human studies. Two periods of lecture and one laboratory session. Prerequisite: 106 or 107, or 104 by permission of the instructor. MISS CREIGHTON, MISS WIDMAYER

**206 (1) Histology-Cytology 1: Animal Tissues 1**

The microscopic organization of animal cells and tissues. Ultrastructural and cytochemical features considered, especially in relation to functional activity. Laboratory study includes direct experience with selected histological and histochemical techniques. Prerequisite: 106 or 107, and [102] or 105 or 202 or the equivalent.

MISS PADYKULA

**207 (2)\* Biology of Algae, Fungi, Lichens and Bryophytes 1**

A study of the nonvascular plants with emphasis on their use as experimental organisms, and their morphology and taxonomy. Observation and experimentation in the laboratory, field, and greenhouses. Open to students who have taken 1 unit of biology or the equivalent. NOT OFFERED IN 1970-71.

MR. BIBB

**208 (2) Basic Horticulture 1**

Fundamentals of cultivation and propagation of plants; the effects of environment on their growth, and the methods of control of pests and diseases. Open to juniors and seniors without prerequisite, and to others who have had [102] or 103 or the equivalent. MISS CREIGHTON

**209 (2) Bacteriology 1**

Structural organization of bacteria, their metabolism, and their environmental and biological relationships including disease and immunity. Laboratory projects. Prerequisite: 1 unit in biology and 1 unit in chemistry or 2 units in chemistry or permission of the instructor.

MRS. WYCKOFF

**301 (1) Cell Physiology 1**

Biochemical and physicochemical bases of life processes and molecular mechanisms underlying structures and functions of cells. Prerequisite: 106 or 107, Chemistry 107, and 1 unit of physics, or permission of the instructor. Chemistry 201 and 210 and Biology 205 and 206 are recommended.

**302 (2) Animal Physiology 1**

Study of function of organ systems in animals. Emphasis on the vertebrates. Prerequisite: 105 and Chemistry 107, or permission of the instructor.

MRS. HARRISON, MRS. COYNE



**303 (1) Plant Physiology 1**

Hormonal and other aspects of plant growth and development, physiology of reproduction, mineral nutrition, water relations, photosynthesis, and selected topics. Prerequisite: [102] or 103 and Chemistry 107, or permission of the instructor. MR. BIBB

**304 (2) Histology-Cytology II: Animal Organ Systems 1**

Analysis of the microscopic organization of organ systems, particularly those of the mammal. Detailed examination of selected specialized cells; the relationship of ultrastructural and cytochemical features to characteristic physiological processes. Prerequisite: 206. NOT OFFERED IN 1970-71.

MISS PADYKULA, MISS GAUTHIER

**305 (2) Advanced Genetics Seminar 1**

Cytological and biochemical aspects of gene structure and function; mutational and recombinational processes; problems of cellular differentiation. Two periods of lecture. Prerequisite: 205 and a knowledge of chemistry satisfied by either 301, or Chemistry 201 or the equivalent, or permission of the instructor. MISS WIDMAYER

**306 (2) Embryology 1**

Ontogenetic development in chordates and related forms: fertilization, cleavage, differentiation, organogenesis, metamorphosis, and growth phenomena. Maintenance of pregnancy in mammals. Laboratory emphasis on topographic anatomy and experimental procedure. Open by permission of the instructor. MR. RUBENSTEIN

**307 (2)\* Advanced Ecology 1**

In-depth study of population dynamics, speciation, competition, and pollution. Extensive readings in primary source material. Laboratory and field studies. Prerequisite: 201 or permission of the instructor. MISS SMITH

**308 (2)\* Plant Morphogenesis 1**

Experimental study of internal and external factors affecting the development of form. Tissue culture and preparation of tissues for cytochemical and microscopic study. Prerequisite: 203 or 207 or permission of the instructor.

MISS CREIGHTON





**312 (1) Endocrinology 1**

Regulation and action of hormones, neurohormones, and pheromones. Emphasis on the study of current literature and an original group laboratory project. Open by permission of the instructor. NOT OFFERED IN 1970-71.

MRS. FISKE

**313 (2) Microbial Physiology and Cytology 1**

Microorganisms used as model systems for the study of cellular growth and its physiological basis, metabolic patterns, biochemical genetics, and relation of structure to function. Prerequisite: 106 and 2 units of chemistry, or permission of the instructor. 104 or 209 or [309] recommended.

MRS. ALLEN

**314 (1) Advanced Topics in Microbiology 1**

Topic for 1970-71: Nature of viruses, their molecular biology, and their interaction with plant, animal, and microbial hosts. Two periods of lecture. Open by permission of instructor.

MRS. WYCKOFF

**319 (1) Advanced Cytology: Ultrastructure and Cytochemistry 1**

Introduction to the principles and major procedures of electron microscopy and cytochemistry. Emphasis on interpretation of ultrastructural and cytochemical features of cellular components, particularly as related to functional activity. A knowledge of the basic principles of biochemistry strongly recommended. Prerequisite: 304 and Chemistry 201. NOT OFFERED IN 1970-71.

MISS PADYKULA, MISS GAUTHIER

**322 (1) Biochemistry I 1**

The study of informational macromolecules, the genetic code, protein synthesis, protein structure, and the mechanism of enzyme and coenzyme action. This course may be counted in the biology major with the approval of the chairman. Prerequisite: Chemistry 201 and 202, or permission of the instructor.

MISS HICKS

**323 (2) Biochemistry II 1**

The study of biochemical energetics, metabolism, oxidative phosphorylation, and the mechanism of biological

energy utilization. This course may be counted in the biology major with the approval of the chairman. Prerequisite: Chemistry 301 or permission of the instructor.

MISS HICKS

**330 (1) Seminar 1**

Cellular Control Mechanisms. Prerequisite: permission of the instructors. MRS. ALLEN

**331 (2) Seminar**

Topics in Neurophysiology. Prerequisite: permission of the instructor. MRS. HARRISON

**350 (1) (2) Research or Individual Study 1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.



**Directions for Election**

A biology major must include 106 or 107, and one of the following courses: 103, 104, or 105, or their equivalents; and either one unit in physics and Chemistry 106, or Chemistry 106 and 107. Biology 205 and Chemistry 201 are strongly recommended.

Students planning graduate work are advised to take 2 units of physics in their programs and to acquire a reading knowledge of one or more of the following languages: French, German, Russian.

Within the major students may design a program in general biology or one which emphasizes subjects dealing with animals, plants, or microorganisms. A broad training in the various aspects of biology is recommended.

Students interested in an interdepartmental major in molecular biology or biochemistry are referred to the Extradepartmental section, where the program is described. They should consult with the director of the molecular biology program.

Premedical students are referred to the requirements given on p. 56.

Credit toward the M.A. degree will be given to graduate students for all Grade III courses.

# CHEMISTRY

PROFESSORS: Crawford, Webster, Rock (Chairman)  
ASSOCIATE PROFESSOR: Loehlin  
ASSISTANT PROFESSORS: Friedman, Hicks,  
Kolodny<sup>3</sup>

Unless otherwise noted, all chemistry courses meet for two periods of lecture and one three and one-half hour laboratory appointment weekly.

## **101 (1) Contemporary Problems in Chemistry I 1**

Consideration of selected aspects of chemistry and related chemical concepts. Topic for 1970–71: A study of the properties of water. Laboratory: chemistry of water pollution. Open to all students. An extra meeting each week is required for students who do not present one admission unit in chemistry. Not to be counted toward the major.

MISS CRAWFORD

## **102 (2) Contemporary Problems in Chemistry II 1**

Consideration of selected aspects of chemistry and related chemical concepts. Topic for 1970–71: Chemical systems and the quality of life: drugs and medicines, food

additives, synthetic materials, etc. Open to all students. An extra meeting each week is required for students who do not present one admission unit in chemistry. Not to be counted toward the major. MR. FRIEDMAN

**106 (1) The Chemical Bond 1**

Properties of matter, atomic structure, bonding, and stereochemistry stressing the relationship between structure and properties. Open to all students. An extra meeting each week is required for students who do not present one admission unit in chemistry and may be required for those who need supplementary work. THE STAFF

**107 (1) (2) Equilibrium 1**

Acid-base, complex-ion, solubility, redox, and solvent-distribution equilibria. Open to students who have taken [103] or 106. Not offered in the first semester beginning in 1971–72. THE STAFF

**201 (1) (2) Organic Chemistry 1**

A study of the synthesis and reactions of typical organic compounds. Prerequisite: [103] or 106, and prerequisite or corequisite, 107, or AP credit in chemistry. An additional period may be required for AP students.

(1) MISS WEBSTER (2) MISS CRAWFORD

**202 (2) Chemical Thermodynamics 1**

Elementary thermodynamics with applications to chemical systems. Prerequisite: [103] or 106, 107 and 1 unit of college physics or the equivalent. Prerequisite or corequisite: Mathematics [109] or 111 or the equivalent. An additional period may be required for AP students.

MISS ROCK

**210 (2) Organic Chemistry 1**

A continuation of Chemistry 201 stressing the structure and reactions of biological molecules and the mechanisms of biochemical reactions. Prerequisite: 201. Not to be counted toward the major. MISS HICKS

**301 (1) Kinetics and Mechanism I 1**

Correlation of structure and reactivities primarily in organic systems. Elementary chemical kinetics will be introduced. Prerequisite: 201 and 202.

MISS CRAWFORD, MISS ROCK

**302 (2) Kinetics and Mechanism II 1**

Correlation of structure and reactivities primarily in inorganic systems. Further development of chemical kinetics. Prerequisite: 301. MR. FRIEDMAN

**311 (1) Structural Chemistry I 1**

A theoretical and experimental study of molecular structure; spectroscopy, elementary quantum theory, symmetry properties. Prerequisite: 202 and Mathematics 207, or Extradepartmental 216; prerequisite or corequisite, a second unit of college physics. MR. LOEHLIN

**312 (2) Structural Chemistry II 1**

A theoretical and experimental study of the states of matter; crystal structure, theories of solids, liquids, gases, and surfaces. Prerequisite: 311. MISS ROCK

**317 (2)\* Chemical Instrumentation 1**

The use of instruments in the study of chemical systems. Prerequisite: 202. MR. LOEHLIN

**318 (1)\* Selected Topics in Inorganic Chemistry 1**

Ordinarily a different topic each year. Topic for 1970-71: The chemistry of organometallic compounds. Prerequisite: 202. MR. FRIEDMAN

**319 (2)\* Selected Topics in Organic Chemistry 1**

Ordinarily a different topic each year. Prerequisite: 301. NOT OFFERED IN 1970-71. MISS CRAWFORD

**320 (1)\* Selected Topics in Theoretical Chemistry 1**

Ordinarily a different topic each year. Prerequisite: 202. NOT OFFERED IN 1970-71. MRS. KOLODNY

**322 (1) Biochemistry I 1**

The study of informational macromolecules, the genetic code, protein synthesis, protein structure, and the mechanism of enzyme and coenzyme action. Prerequisite: 201 and 202, or permission of the instructor.

MISS HICKS

**323 (2) Biochemistry II 1**

The study of biochemical energetics, metabolism, oxidative phosphorylation, and the mechanism of biological energy utilization. Prerequisite: 301 or permission of the instructor. MISS HICKS

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to students who have taken at least 5 units in chemistry.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

In addition to 8 units in chemistry, which must include 201, 202, 301, 302, and 311, the major requires 2 units of college physics and Mathematics 207, or Extradepartmental 216. It is strongly recommended that 312, Physics 201 or 306, and at least 1 additional unit of mathematics be elected.

Students interested in biochemistry or molecular biology are referred to the Extradepartmental section where the program is described. They should consult with the director of the molecular biology program.

Students are advised to acquire a reading knowledge of German and of either French or Russian.

Premedical students are referred to the requirements given on p. 56.

The American Chemical Society has established a set of requirements which it considers essential for the training of chemists. Students wishing to meet the standard of an accredited chemist as defined by this society should consult the chairman of the Department of Chemistry.

**Placement and Exemption Examinations**

Students entering with scores of 4 or 5 on the Advanced Placement Examination of the College Entrance Examination Board are eligible for 201. Other students who have had Advanced Placement courses or two years of secondary school chemistry or other unusually good preparation should apply for an examination covering the work in Chemistry 106 and/or 107. Such students will be expected to submit laboratory notebooks or reports.



# CHINESE

ASSISTANT PROFESSOR : Lin (Chairman)  
LECTURER : Yu

Although the College does not offer a major, students may elect as many as 6 units in Chinese.

## **100 (1-2) Elementary Chinese 2**

Introduction to spoken and written Mandarin Chinese. Pronunciation, sentence structure, conversation, reading, and character writing. Four periods. Open to all students.  
MRS. LIN

## **200 (1-2) Intermediate Chinese 2**

Reading with emphasis on vocabulary building ; review of sentence structure, composition, and oral expression. Discussion of current events and cultural topics. Four periods. Prerequisite: 100 or permission of the instructor.  
MRS. LIN, MRS. YU

**250 (1) Readings in Modern Style Writings 1**

Reading and discussion in Chinese of selections from contemporary writings. Some study of the forms occurring in passages from the classics quoted in vernacular texts. Three periods. Prerequisite: 200 or permission of the instructor. MRS. LIN

**300 (2) Readings in Contemporary Chinese Literature 1**

Reading and discussion in Chinese of selections from





plays, poetry, short stories, novels, and essays. Three periods. Prerequisite: 250 or permission of the instructor.

MRS. LIN

**310 (1) Introduction to Literary Chinese 1**

Wen-yen grammar, reading, and discussion in Chinese of selections of simple texts in classical Chinese. Two periods. Prerequisite: 300 or permission of the instructor.

MRS. YU

**311 (2) Readings in Elementary Classical Chinese 1**

Reading and discussion in Chinese of selections of poetry, prose, traditional short stories, and novels. Two periods. Prerequisite: 310 or permission of the instructor.

MRS. YU

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to qualified students.

## Directions for Election

Although the College does not offer a major in Chinese language and literature, students who major in Asian or Chinese Studies that relate to China should consult the chairman of the department and her adviser as soon as possible.

For a student majoring in Asian Studies who does not intend to do graduate work, at least one year of Chinese is encouraged, but not required. For a student majoring in Chinese Studies, the minimum requirement is 6 units in Chinese language and literature; History 226, 227, 338, 339, Political Science 306, Art 249, and Religion 251 are strongly recommended as related courses.

Students who wish to do graduate work in Asian Studies are advised to complete at least two years of Chinese language training.

Course 350 is an opportunity for properly qualified students to work independently in fields not covered in other courses in the department; it can also be arranged as a class for continuing study in classical Chinese literature.

For the non-Mandarin speaking students who can read and write Chinese and wish to continue Chinese studies, arrangements can be made for tutorial classes or special help. These students should contact the chairman of the department.

# ECONOMICS

PROFESSORS: Clemence (Chairman), Bell, Goldman<sup>4</sup>  
ASSOCIATE PROFESSOR: Morrison  
ASSISTANT PROFESSORS: Crandall, Garrity  
INSTRUCTORS: Rubinfeld, Sparks<sup>3</sup>

## **100 (1) (2) Survey of Modern Economics I 1**

An introduction to economic science: the systematic study of the ways people make a living. Analysis of economic problems and policies with special reference to the United States today. Organization and operation of business enterprise; labor and management; prosperity and depression; money and banking; the national income and its distribution. Open to all students. Weekly tutorials in (1) and (2) for freshmen. (See Economics 355.) Special section for students in 100 (1) who plan to elect 101 (2).

THE STAFF

## **101 (1) (2) Survey of Modern Economics II 1**

Continuation of 100. Competition and monopoly; demand and supply; analysis of firms and industries; balance of payments; foreign aid and foreign trade; economic growth; comparison of the American economy with others. Prerequisite: 100.

THE STAFF

**201 (1) (2) Micro-Economic Analysis 1**

Micro-economic theory; analysis of the individual household, firm, and industry. Prerequisite: 101.

MR. RUBINFELD

**202 (1) (2) Macro-Economic Analysis 1**

Macro-economic theory; aggregate analysis of income, output, and employment. Prerequisite: 101.

MRS. CRANDALL

**203 (1)\* Economic History 1**

An economic analysis of European development in the 18th and 19th centuries. A selective application of classical and neo-classical growth models. The development of the market system and modern economic society. Open to students who have taken or are taking 101.

MR. MORRISON

**204 (1)\* American Economic History 1**

The "new" economic history. A sectoral and factorial analysis of the development of the American economy from colonial times to the 20th century. The economics of slavery and the Civil War. The emergence of an industrial state. Prerequisite: same as for 203. NOT OFFERED IN 1970-71.

MR. MORRISON

**205 (1) (2) The Corporation 1**

The development of the modern corporation and its place in the economy. Corporation organization and financial management. Financial markets; the technical and fundamental aspects of the stock market. Government regulation of corporations and markets. Prerequisite: 101.

MISS SPARKS

**210 (1) Money and Banking 1**

The structure and operation of the monetary system. Commercial banking and other financial institutions. The Federal Reserve System. Monetary theory and policy. Prerequisite: same as for 203.

MRS. BELL

**211 (1) (2) Elementary Statistics 1**

Descriptive statistics and an introduction to statistical inference. Expected values, probability distributions, and



tests of significance. Classical models of bivariate and multiple regression. Problem solving by means of the time-sharing computer. Prerequisite: same as for 203.

MR. MORRISON

**249 (2) Seminar. Radical Economics 1**

Topic for 1970-71: An examination of the assumptions and values implicit in economic analysis, model-building, and policy proposals. Evaluation of contemporary "radical" economists. Prerequisite: 100 and 101. MRS. BELL

**301 (1) Comparative Economic Systems 1**

The economics of capitalism, socialism, fascism, and communism. Prerequisite: 201 or 202.



**302 (2) Economic Development 1**

The problems and possibilities of the less developed countries. Prerequisite: 201 or 202. MRS. GARRITY

**305 (1) Industrial Organization 1**

Analysis of the structure, conduct, and performance of particular industries in the economy. Prerequisite: 201. MRS. CRANDALL

**307 (1) Consumption and Marketing 1**

Analysis of the theory of consumer choice and of market models applied to patterns of income, spending, and saving. Prerequisite: 201, 202 and 211. NOT OFFERED IN 1970-71. MRS. BELL

**310 (2) Public Finance 1**

Principles, practices, and economic effects of the public sector. The goals of public finance. A seminar treatment of current issues of fiscal policy. Prerequisite: 202. MR. MORRISON

**312 (2) Economics of Accounting 1**

How economists use accounting data in financial analysis and cost accounting in determining price policy and capital spending. Social accounting and the economy: aggregate data and their analysis. Prerequisite: 201. MRS. BELL

**314 (1) International Economics 1**

Theory of international trade. Methods of adjustment to disequilibrium in balance of payments. The impact of international movements of commodities and capital on economic activity in the past and since World War II. Current problems: international liquidity, economic integration, the United States balance of payments. Prerequisite: 201 and 202. MRS. GARRITY

**315 (1) History of Economic Thought 1**

The development of economic thought from ancient to modern times. A brief survey of early economic ideas followed by a more detailed examination of the history of economics since 1776. The systems of the leading economists in the light of their own times and of the present day. Prerequisite: 201. NOT OFFERED IN 1970-71. MR. CLEMENCE

**316 (2) Seminar: Recent Economic History 1**

Economic history from the depression to the "new" economics. Stagnation, growth, and inflation: an analysis of the major economic events of the 1950's and the 1960's. Prerequisite: 202. MR. MORRISON

**317 (2) Seminar: Mathematical Economics 1**

Applications of elementary calculus to selected topics in economic theory. Use of basic econometric techniques to estimate consumption, investment, and price relationships. Problems and use of computation facilities. Prerequisite: 201 or 202, and 211. MR. RUBINFELD

**349 (2) Seminar 1**

Topic for 1970-71: Urban Economics. Study and discussion of current economic problems and policies. Appraisals of proposed solutions. Open to all senior majors and to others by permission of the instructor.

MR. RUBINFELD

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors who have taken 201 and 202. THE STAFF

**355 (1-2) Tutorial and Seminar 2**

A survey of economic theory and policy: seminar reports on research and independent study; tutorials for 100 conducted by each student in both semesters. Open upon department recommendation to senior majors.

MR. CLEMENCE

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

A student who plans to take any course after 101 should consult either her instructor or the department chairman.

Courses 201, 202, and 211 are required for the major, 203 and 204 are strongly recommended.

Students planning careers in business or law should also give special consideration to 205, 210, 305, 307, 312, and 314.

All students are strongly urged to take mathematics as a related subject.



# EDUCATION

ASSOCIATE PROFESSOR: Bradley (Chairman)  
ASSISTANT PROFESSOR: Sipple  
LECTURERS: Edwards<sup>3</sup>, Regan<sup>3</sup>

## **100 (1) (2) Philosophy of Education 1**

Selected philosophies of education, their relevance to twelve or more years of schooling, and their influence on decisions concerning socio-ethical values and responsibilities. Open to sophomores, juniors, and seniors, and to students in the second semester of the freshman year.

MRS. BRADLEY

## **201 (2) History of Educational Ideas 1**

Study of the interrelationship between educational ideas and their historical setting, their influence on the educational process, and their contribution to the general development of culture. Prerequisite: 100 or [200].

MR. SIPPLE

## **202 (2)\* The Elementary School 1**

The organization of the elementary school, its curriculum, the teacher's work, and current educational policies.

Emphasis placed on the development and characteristics of elementary school children. Observation in schools required. Prerequisite: 100 or [200]. MISS EDWARDS

**206 (1) (2) Sociology of Education 1**

The school as a social system, the politics and economics of education; organizational constraints on the schools; the influence of environment and groups on learning. Prerequisite: 100 or [200] or Sociology 102.

(1) MR. LONDON (2) MR. SIPPLE

**207 (1) Problems in Teaching and Learning 1**

Weekly seminars concerned with readiness for teaching, social and psychological factors in teaching and learning, and planning and evaluation of teaching approaches. Required field work: a teaching assignment in a public or private school, with guidance from a supervising teacher in the schools and from interested College faculty in their major departments. Open to juniors and seniors by permission of the instructor. MR. SIPPLE

**300 (1) The Secondary School 1**

Aims, organization, and administration of United States secondary schools in relation to their social, political, and economic environments. Case study method employed to reveal today's problems and potentials in their historical perspective. Prerequisite: 100 or [200].

MRS. BRADLEY

**301 (2) Comparative Studies of Educational Systems 1**

A study of the impact of old and new educational policies, plans, and ideals as seen in various sections of the United States and in selected foreign countries. Open by permission of the instructor. MRS. BRADLEY

**302 (1) (2) Methods of Teaching 1**

Study of teaching objectives and classroom procedures. Review of learning theories. Class divided into groups for six weeks of intensive work in the methods and materials of a specific subject matter; for example, English, foreign language, social science, science. Observation in school required. Prerequisite: 300 or permission of the instructor. Offered in the second semester only beginning in 1971-72. Open to seniors only beginning in 1971-72.

MR. SIPPLE, MR. REGAN







**303 (1) (2) Curriculum and Supervised Teaching 1**

Study of curriculum and sequence of courses offered in secondary school. Methods and supervised teaching in student's major teaching field. Corequisite: 302. Offered in the second semester only beginning in 1971-72. Open to seniors only beginning in 1971-72.

MR. SIPPLE, MR. REGAN

**Directions for Election**

The department offerings are intended to acquaint students systematically with the history of compulsory free education as developed in the United States and now practiced in many countries under different forms, the philosophies which underlie these efforts, the problems to be solved, and, as an adjunct, to aid students who wish to enter teaching immediately after graduation.

Students who intend to teach should (in their freshman year if possible) consult the department concerning the various city and state requirements for the certificate to teach and the appropriate undergraduate preparation for fifth year and paid intern programs which combine professional study with further study in teaching fields and lead to advanced (M.A.T., Ed.D., Ph.D.) degrees.

For those interested in secondary school teaching upon graduation, the following program is recommended:

- |                 |   |
|-----------------|---|
| Freshman year:  | Psychology 101                                  |
| Sophomore year: | Education 100, and Psychology 212 or 217 or 219 |
| Junior year:    | Education 300, and 201, 206, or 207, or 301     |
| Senior year:    | Education 302 and 303.                          |

Preparation to teach in elementary schools should include:

- |                 |  |
|-----------------|--|
| Freshman year:  | Psychology 101                           |
| Sophomore year: | Education 100, and Psychology 207        |
| Junior year:    | Education 202, and Psychology 212 or 217 |
| Senior year:    | Education 201, and 206 or 301            |

A summer program, preferably preceding the senior year, at another accredited institution should include Methods and Supervised Teaching for the Elementary School. Many such programs are available throughout the country.

## ENGLISH

PROFESSORS: Prettyman<sup>1</sup>, Corsa, Lever, Quinn, Layman,  
Adams, Ferry, Garis, Spacks (Chairman), Berkman  
ASSOCIATE PROFESSOR: Craig  
ASSISTANT PROFESSORS: Gold, Kurtz<sup>2</sup>, Phillips, Pinsky<sup>2</sup>,  
Linfield, Gertmenian, Breasted, Sabin  
INSTRUCTORS: Stubbs, Bontemps  
LECTURERS: Bennett, Hilferty<sup>3</sup>

### **108 (2) Interpretations of Man in Western Literature 1**

For description and prerequisite, see Extradepartmental 108, p. 193.

### **109 (1) (2) Experiments in Writing 1**

A writing workshop designed to give experience in organizing complex meanings in essays, including various ways of arguing, describing, persuading, defining. Not open to students who have taken [100]. THE STAFF



**150 (1) (2) Colloquia** **1**

For directions for applying, see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

- (1)
- a. T. S. Eliot. Studies in the poetry and criticism of T. S. Eliot to show the interaction of the two.  
MISS CRAIG
  - b. Women writers and women's problems. A study of selected writings by women from the 17th to the 20th century, with attention to modes of feminine self-awareness and self-presentation.  
MRS. SPACKS, MISS BREASTED

- (2)
- a. Studies of egotism in 19th century novels. *Emma*, by Jane Austen, *Dombey and Son*, by Charles Dickens, *The Egoist*, by George Meredith.  
MISS ADAMS
  - b. *Moby-Dick*. Emphasis will be given primarily to the text of Melville's novel and problems in its interpretation.  
MR. QUINN

**200 (1) (2) Short Narrative** **1**

Sketches and the short story. For interested students, experience in the writing of one-act plays. Open by permission of the instructor. Not open to students who are taking another writing course.

- (1) MISS BERKMAN, MR. BENNETT
- (2) MISS LEVER

**201 (2) The Critical Essay** **1**

Training in the organization and presentation of literary analyses and judgments. Reading of some of the best contemporary criticism. Open by permission of the instructor.

MRS. SABIN

**202 (2) Poetry** **1**

The writing of short lyrics and the study of the art and craft of poetry. Open to students who either have taken [103], 209, or 210, or by permission of the instructor.

MR. FERRY



**209 (1) (2) Poems in Perspective 1**

Certain modern poems compared with poems of earlier periods in order to develop questions about the formal and historical relations between them, and to develop the vocabulary and techniques of literary criticism. Frequent short papers and conferences. Not open to students who have taken [103].

(1) MR. FERRY, MR. LINFIELD

(2) MR. LAYMAN, MRS. GERTMENIAN

**210 (1) (2) Modern Poetry 1**

English and American poetry and poets, recent and contemporary. Open to all students.

(1) MISS BERKMAN, MRS. SABIN

(2) MR. FERRY, MISS CRAIG

**211 (1) (2) The Art of Narrative 1**

Close analysis of selected short stories, novels, and occasionally verse narratives, in order to develop a vocabulary to describe problems and strategies of the narrative art. Frequent short papers and conferences. Open to all students.

(1) MISS CORSA, MISS LEVER

(1) (2) MISS BERKMAN

(2) MR. QUINN

**212 (1) (2) Modern Drama 1**

The study of English, American, and European drama from Ibsen to the present day. Open to all students.

(1) MR. GARIS, MISS LEVER

(2) MISS BERKMAN

**213 (1) (2) Plays in Perspective 1**

Certain modern plays compared with plays of earlier periods in order to develop ways of talking about the formal and historical relations between them. Frequent short papers and conferences. Open to all students.

- (1) MR. LAYMAN, MISS CRAIG  
(2) MISS BREASTED, MRS. GERTMENIAN,  
MRS. SABIN

**215 (1) (2) Shakespeare 1**

The study of a number of representative plays with emphasis on their dramatic and poetic aspects. Open to all students.

- (1) MRS. GERTMENIAN (2) MR. LAYMAN

**217 (1) (2) Milton 1**

A critical study of Milton as a master of lyric, epic and dramatic poetry and as a writer of notable prose. Open to all students.

- (1) MISS BREASTED  
(2) MISS LEVER

**218 (1) The History of the English Novel I 1**

The beginnings of the English novel in the 18th century: Defoe through Jane Austen. Open to all students.

- MISS CORSA, MR. LINFIELD

**219 (2) The History of the English Novel II 1**

The 19th century English novel: the Brontës through Conrad. Open to all students.

- MISS CORSA, MR. LINFIELD

**220 (1) (2) Chaucer 1**

A study of Chaucer's poetry tracing the development of his art, with some attention to the relation of his work to the social and literary background of his time. Open to all students.

- (1) MISS LEVER (2) MISS CORSA

**223 (1) American Literature I 1**

A survey of American literature from its Puritan beginnings to *Moby-Dick* (1851). Emphasis upon major figures. Open to all students.

- MR. QUINN, MR. GOLD

**224 (2) American Literature II 1**

American writers from Whitman to World War I. Emphasis upon major figures. Open to all students.

- MR. QUINN, MR. GOLD



- 225 (1) (2) American Literature III 1**  
 American writers from World War I to the present. Open to all students. MR. PHILLIPS
- 226 (1) (2) Ideas in the Novel 1**  
 Study of how fiction "answers" large metaphysical, moral, and political questions. British, American, and continental novels of the 19th and 20th centuries. Open to all students.  
 (1) (2) MISS BREASTED, MRS. SABIN  
 (2) MRS. GERTMENIAN
- 228 (2) Black Literature in America 1**  
 Poetry and prose from slave narratives to the present day with emphasis upon modern major figures. Open to all students. MR. BONTEMPS
- 230 (1) Romantic Poets I 1**  
 Intensive study of poems and critical writings of Wordsworth and Coleridge. Open to all students. MR. FERRY
- 231 (2) Romantic Poets II 1**  
 Intensive study of poems and critical writings of Byron, Shelley, and Keats. Open to all students. MR. FERRY
- 232 (1) (2)\* English Comedy in Various Genres 1**  
 The development, variety, and continuity of English comic writing. Open to all students. NOT OFFERED IN 1970-71.
- 233 (1)\* English Tragic and Heroic Drama 1**  
 Continuity and change in English drama before the modern period, with emphasis on the 16th and 17th centuries. Open to all students. MR. LAYMAN
- 301 (2)\* The Short Story 1**  
 Techniques of short-story writing together with practice in critical evaluation of student work. Intensive reading of selected stories. Open to juniors and seniors who have taken one Grade II workshop, and by permission of the instructor to other qualified students. MISS BERKMAN

**302 (2)<sup>4</sup> Fiction 1**

Intensive practice in the writing of prose fiction, the short story or the novella according to the interest of the individual student. Prerequisite: same as for 301. NOT OFFERED IN 1970-71.

MISS BERKMAN

**305 (1) Advanced Studies in Shakespeare I 1**

A consideration of plays written by Shakespeare between 1591 and 1606: *Richard II*, *Henry IV*, *Much Ado about Nothing*, *Troilus and Cressida*, *Hamlet*, *Measure for Measure*, *Othello*. Open to juniors and seniors who have taken or are taking two Grade II literature courses in the department, and by permission of the instructor to other qualified students.

MISS CORSA, MISS CRAIG, MR. GOLD

**306 (2) Advanced Studies in Shakespeare II 1**

A consideration of plays written by Shakespeare between 1606 and 1611: *King Lear*, *Macbeth*, *Antony and Cleopatra*, *Coriolanus*, *Cymbeline*, *The Winter's Tale*, *The Tempest*. Prerequisite: same as for 305.

MR. LAYMAN, MISS CRAIG, MR. GOLD

**307 (1) Criticism 1**

An investigation of the uses and limitations of the concept of "form" in literary criticism. Some attention to how the concept is used in other intellectual disciplines. Emphasis on critical theory and the analysis of major literary texts. Prerequisite: same as for 305.

MR. PHILLIPS

**308 (2) The Middle Ages and Renaissance in England 1**

Permanence and change in some major literary forms from 1350 to 1600. Special attention given the religious and intellectual ferment of the 16th century. Reading, both intensive and extensive, to include (partly in modern versions) *Gawain and the Green Knight*, *Piers Plowman*, More, Sidney, Marlowe, and Spenser. Prerequisite: same as for 305.

MISS LEVER

**310 (2) The Age of Satire 1**

A study of satire as social response and as literary phenomenon, exemplified in the work of such writers as Dryden, Congreve, Gay, Swift, and Pope. Prerequisite: same as for 305.

MRS. SPACKS



**311 (2)\* From Neo-Classic to Romantic 1**

The shift of sensibility from the 18th to the 19th century studied with emphasis on such authors as Johnson, Burke, and Wordsworth. Prerequisite: same as for 305. NOT OFFERED IN 1970-71.

MR. GOLD

**312 (1) The English Language 1**

Contemporary theories of meaning and grammar studied in the context of the history of the English language. Prerequisite: same as for 305.

MISS LEVER

**313 (2)\* The Poet-Critic 1**

Such authors as Sidney, Dryden, Johnson, Coleridge, Arnold, and Eliot, studied as makers of English criticism and as examples of interaction between the practice and theory of poetry. Prerequisite: same as for 305.

MR. GOLD

**314 (1) The Victorian Crisis 1**

A study of the ways in which Mill, Carlyle, Tennyson, Arnold, Ruskin, and Wilde faced the need for radical reconstruction of values and attitudes. Prerequisite: same as for 305. Open to non-majors by permission of the instructor.

MR. LINFIELD

**315 (2) Victorian Poetry 1**

The dominant themes and procedures of the period between Landor and Yeats including such poets as Tennyson, Arnold, Hopkins, and Hardy. Prerequisite: 311 or 314 or 230 or 231, and an additional 1 unit Grade II literature course. Open to other students by permission of the instructor. NOT OFFERED IN 1970-71.

MR. PINSKY

**316 (2) Donne and Jonson and Their Followers 1**

Close study of major poems by Donne, Jonson, Herbert, and Marvell, with some attention to King, Carew, Herrick, and Suckling. Some readings in Donne's prose. Prerequisite: same as for 305.

MR. GARIS

**317 (1) American Literature IV 1**

Realism, allegory, and symbolism in the writings of Poe and Melville. Prerequisite: same as for 305.

MR. QUINN





**318 (1) (2) Advanced Studies in the Novel 1**

Critical and aesthetic problems in the field of fiction as seen in the work of several major English and American novelists selected for the most part from the 20th century. Prerequisite: same as for 305.

(1) MR. GARIS  
(2) MISS CORSA

**319 (1) Advanced Studies in Modern Poetry 1**

A few important poets of the late 19th and 20th centuries studied intensively with reference to poets who have influenced them. Prerequisite: same as for 305.

MR. FERRY,

**320 (2) Literary Crosscurrents 1**

Topic for 1970–71: Innovations in 17th century religious and secular prose as reflected in the work of Hooker, Donne, Bacon, Browne, Burton, Taylor, Hobbes, and Dryden. Prerequisite: same as for 305.

MISS BREASTED

**321 (1) Seminar 1**

Topic for 1970–71: Ovid, Petrarch, and Shakespeare. Studies in Shakespeare's sonnets and narrative poems, and in some of their literary backgrounds. Open by permission of the instructor to juniors and seniors.

MR. LAYMAN

**322 (2) Seminar 1**

Topic for 1970–71: Literature and Language. The elucidation of literary works through a study of their language and the language of the time. Open by permission of the instructor to juniors and seniors.

MR. LINFIELD

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

Grade II level literature courses are open to all students. Some courses, however, assume more competence and previous preparation than others. Although firm categorical distinctions cannot be made, some of these courses meet certain objectives better than others. For example, English



209, 211, and 213 have as their main objective practice in methods of interpretation. These courses are especially recommended to freshmen. Other courses isolate certain major figures or periods for concentrated study, or address themselves to continuing themes and issues. In choosing their courses students are encouraged to consult with their instructors and with other members of the department generally.

English majors must take at least one course in Shakespeare, ordinarily on the advanced level. In addition, majors should work closely with their advisers in arranging a program of study with these objectives: (a) ability to interpret a text; (b) an understanding of some of the major works, authors, and periods that comprise the history of English and American literature; (c) a developing interest in some special field of study, such as the English Renaissance, drama, criticism, modernism. The new requirements for the major apply beginning with the Class of 1971.

Students of at least B standing in the work of the department will have first consideration when applying for admission to seminars and independent work (350).

Courses 109, 200, 201, and 202 are planned as workshops in writing with informal group meetings and frequent individual conferences. While the emphasis is on constant practice in writing, each course requires a critical reading of pertinent examples of the type of writing being studied. Courses 301 and 302 continue the same plan at an advanced level.

Students interested in writing fiction and poetry can apply for one or two units of 350 in writing, in addition to taking the other courses listed (200, 202, 301, 302). In general, enrollment in writing courses is limited to 15. Students who have demonstrated special ability in fiction, poetry, or drama may be invited to do an honors project in writing.

Knowledge of English and American history, of the course of European thought, of theatre studies, and of at least one foreign literature at an advanced level is of great value to the student of English. See, for example, History 203, 210, 213, 217; Philosophy 203, 204, 207; Grade II and Grade III courses in foreign literatures; Extradepartmental 101, 104, 108, 201, 202, 226, 227, 228, 229, 231, 330; and courses in Theatre Studies.

A reading knowledge of at least one ancient or modern foreign language is desirable for all majors. Students expecting to do graduate work in English should ordinarily plan to acquire a reading knowledge of two foreign languages.

## FRENCH

PROFESSORS: Lefeuvre\*, Galand (Chairman), François  
ASSOCIATE PROFESSOR: McCulloch  
ASSISTANT PROFESSORS: Blake, Malaquais,  
Stambolian, Loutfi, Coquillat  
INSTRUCTORS: Mistacco, Stewart, Mbelolo  
LECTURERS: McPherrin, Dunbavand

All courses are conducted in French. Oral expression, composition and, in certain courses, creative writing are stressed.

The department reserves the right to place a new student in the course for which she seems best prepared regardless of the number of units she has offered for admission.

Attention is called to the opportunity for residence in the French Center, Tower Court.

Qualified students may be recommended to spend the junior year in France. See p. 53.

### **100 (1-2) Elementary French 2**

Intensive oral work, grammar, and composition. Reading of selected texts as an introduction to French life. Open to students who do not present French for admission. Three periods. THE STAFF

### **102 (1-2) Intermediate French 2**

Short stories, novels, and plays illustrating some aspects of French culture. Stress on grammar, vocabulary, and pronunciation. Oral and written work. Prerequisite: 100 or 2 admission units in French. Three periods. THE STAFF

**104 (1-2) Contemporary Life and Thought 2**

Analysis of selected modern texts : fiction, drama, poetry, essays, and articles. Grammar review. Study of vocabulary and pronunciation. Frequent written work and oral practice. Prerequisite: [101] or 102 or 3 admission units in French. Not open to students who have taken [103]. Three periods. THE STAFF

**150 (2) Colloquium 1**

For directions for applying see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

(2)

Topic for 1971-72: The "explication de texte" as a technique and an art. Prerequisite: 104 or sophomores of 4 admission units for freshmen. NOT OFFERED IN 1970-71.

**201 (1-2) French Literature Through the Centuries 2**

First semester: Middle Ages through the 17th century. Second semester: the 18th century to the present. Class discussion of selected masterpieces, short papers, outside reading. Prerequisite: 104 or 4 admission units in French; by permission of the instructor, 102. The first semester may be taken independently. THE STAFF

**203 (1-2) French Masterpieces 2**

Introduction to literary analysis. Intensive study of selected works representing various literary techniques and genres: poetry, fiction, drama. Class discussion, oral reports, short papers. Prerequisite: same as for 201.

THE STAFF

**205 (1) (2) Attitudes and Values in French Culture Today 1**

Class discussion of representative texts, periodicals, and newspapers. Oral reports, short papers, outside reading. Prerequisite: Same as for 201. MRS. LOUTFI

**212 (1) Medieval French Literature 1**

French literature from the *Chanson de Roland* through Villon. Medieval texts read in modern French. Prerequisite: 150 or 201 or 203 or 205. MISS McCULLOCH

**213 (1) (2) French Drama in the Twentieth Century 1**

Trends in contemporary drama: symbolism, the use of myths, the influence of existentialism, the theatre of the absurd. Prerequisite: same as for 212. THE STAFF

**214 (1) (2) The French Novel in the Nineteenth Century 1**

Aspects of realism: Balzac, Stendhal, Flaubert, Zola. Both intensive and extensive reading. Prerequisite: same as for 212.

(1) MR. STAMBOLIAN (2) MISS MISTACCO

**215 (1) (2) Baudelaire and Symbolist Poets 1**

The nature of the poetic experience studied in the post-romantic poetry of the 19th century. Prerequisite: same as for 212. MR. GALAND

**216 (2) The French "New Novel" 1**

Recent experiments in fiction, with some discussion of drama and film. Emphasis on the works and theoretical writings of Robbe-Grillet, Sarraute, Butor, and Beckett. Both traditional and creative analysis. Prerequisite: same as for 212. MR. STAMBOLIAN

**218 (1) Black Literature in French 1**

Its origin and development in France, Africa and America. Analysis of representative works: poetry, fiction, drama, essays. Prerequisite: same as for 212. MR. MBELOLO

**222 (1) (2) Studies in Language I 1**

Intensive grammar review, practice in free composition. Prerequisite: 104; by permission of the instructor, 102. Not open to freshmen in their first semester.

(1) MISS BLAKE (2) MRS. DUNBAVAND

**224 (2) French Speech 1**

Analysis of French pronunciation. Study of accent and intonation. Exercises in diction based on prose and poetry. Use of the language laboratory. Prerequisite: same as for 222. Recommended to students majoring in French.

MISS BLAKE

**249 (1) Selected Topics 1**

Workshop in writing: training in traditional and experimental modes of literary expression. Prerequisite: 104 for sophomores or 4 admission units for freshmen.

MR. FRANÇOIS



**300 (2) Sixteenth Century Literature 1**

Studies in the Renaissance. Authors for 1970–71 will include Rabelais, Ronsard, and Montaigne. Prerequisite: 201 or 203. MISS McCULLOCH

**301 (1) Seventeenth Century Literature I 1**

Baroque and Précieux poets. *L'Astrée*. The birth of the classical theatre: Corneille, Descartes and Pascal. Prerequisite: same as for 300. MR. FRANÇOIS

**302 (2) Seventeenth Century Literature II 1**

The classical theatre: Molière, Racine, La Fayette, La Fontaine, La Bruyère. Prerequisite: same as for 300. MR. FRANÇOIS

**304 (1) The Novel from Rousseau to Sade 1**

The pursuit of happiness in late 18th century fiction. Among the authors studied: Rousseau, Diderot, Laclos, Sade. MRS. MALAQUAIS

**305 (2) Studies in Romanticism 1**

The Romantic Novel. Among the authors studied: Nodier, Hugo, Stendhal, Balzac. MRS. LOUTFI, MRS. MALAQUAIS

**306 (1) French Poetry in the Twentieth Century 1**

From symbolism to surrealism. Among the authors studied: Claudel, Valéry, Apollinaire, the Surrealists, Michaux, Saint-John Perse, Char. Open to juniors and seniors who have taken 2 units of French literature at the Grade III level. MR. GALAND

**307 (2) The French Novel in the Twentieth Century 1**

Study of the main trends in contemporary fiction. Among the authors studied: Gide, Proust, Malraux, Sartre, Camus, Robbe-Grillet. Open to juniors and seniors who have taken 2 units of French literature at the Grade III level or by permission of the instructor. MR. GALAND

**308 (1) Studies in Language II a 1**

Translation into French from modern novels and essays. Study of French style through analysis of selected texts. Occasional free composition. Prerequisite: 2 units at the Grade III level or 222. MRS. MALAQUAIS

**309 (2) Studies in Language II b 1**

Similar to 308, with different subjects and texts. Prerequisite: same as for 308. MRS. MALAQUAIS

**312 (1) Medieval French Literature 1**

See 212. Joint class meetings for 212 and 312. Supplementary assignments and readings in Old French for students at Grade III level. Open by permission of the instructor. MISS McCULLOCH

**321 (1) Seminar. Study of One Author 1**

Topic for 1970-71: Guillaume Apollinaire. Open by permission of the instructor to students who have taken 4 units of literature at the Grade III level.

MISS COQUILLAT

**350 (1) (2) Research or Individual Study 1 or 2**

Prerequisite: same as for 321.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

Course 100 counts for the degree but does not count toward the major. Students who begin with 100 in college and who plan to major in French should consult the chairman of the department during the second semester of their freshman year. A student may not count toward the major both 102 and 104. Course 104 may not be elected by students who have taken both 100 and 102.

Upperclassmen majoring in French (with the exception of those who carried 2 units of Grade II in the freshman year) should not elect more than 3 units of Grade II without permission of the department. Majors are required to take two of the following courses: 222, 308, 309. In some cases 224 may also be required.

Courses in other foreign language and literature departments, in art, history (especially 210 and 211), philosophy, English, Extradepartmental 101 and 330, and Religion and Biblical Studies 104 and 105 are recommended for majors.

Students who plan to do graduate work in French are advised to begin or to pursue the study of a second modern language and the study of Latin; those who plan to do graduate work in comparative literature are advised to continue the study of one or more other modern literatures and to acquire proficiency in at least one classical language.

# GEOLOGY

ASSISTANT PROFESSOR : Kamilli (Chairman)  
INSTRUCTOR : Andrews<sup>3</sup>

## **102 (1) Introduction to Geology 1**

Fundamental facts and principles of earth behavior and history with special reference to Massachusetts and New England. Current problems in oceanography, continental drift, and lunar geology. Field trips and laboratory include study of minerals, rocks, fossils, topographic and geologic maps. MRS. KAMILLI

## **200 (2) Principles of Stratigraphy and Historical Geology 1**

An introduction to the principles of stratigraphy and their application in interpreting the geological history of North America. Reconstruction of evolution of life from fossil records, paleogeography, and ancient sedimentary and tectonic environments. Field trips will develop the geologic history of the region. Laboratory. Prerequisite : 102 or permission of the instructor.



**202 (2)\* Mineralogy 1**

Introduction to crystallography ; systematic study of the rock-forming minerals. Emphasis on geochemical relationships including bonding, solid solution series, and phase diagrams. Laboratory. Prerequisite: 2 units of physical science, preferably Chemistry 106 and/or 107, or permission of the instructor. MRS. KAMILLI

**205 (1) Invertebrate Paleontology 1**

Study of fossil invertebrates. Morphology and major trends in evolution throughout geologic time. Laboratory and field trips. Prerequisite: 102 or 200 or Biology 105 or permission of the instructor. MR. ANDREWS

**207 (1)\* Optical Mineralogy 1**

Basics of optical crystallography. Application of modern methods to the identification of silicates. Laboratory. Prerequisite: 202 or Physics 202. NOT OFFERED IN 1970-71.



**249 (2) Topics in Geology 1**

Structural Geology. Deformation of rock materials including scale models theory, mechanics of folding and faulting. Laboratory. Prerequisite: same as for 200.

MRS. KAMILLI

**309 (2)\* Petrology 1**

Study of the origin and occurrence of igneous and metamorphic rocks with particular reference to modern geochemical investigations. Examination and description of hand specimens and thin sections under the petrographic microscope. Prerequisite: 202 or 207 or permission of the instructor. NOT OFFERED IN 1970-71.

**349 (2) Topics in Geology 1**

Same course as 249. Students taking the course at the Grade III level will be required to do assignments, paper, or projects in greater depth. Prerequisite: same as for 200.

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Elections**

A minimum major in Geology ordinarily should include 102, 200, 202, 205, 309, and 349, and requires 4 units from other laboratory sciences or mathematics. (All 4 units may not be taken in the same department.) Advanced courses in mathematics, chemistry, or physics will be suggested according to the student's needs, interests, and ability.

In planning a major program, a student considering graduate work should note that most graduate geology departments require at least a full year (2 units) each of chemistry, calculus, and physics. (Biology often may be substituted for physics if the student is interested in paleontology.) In addition, graduate study usually requires a reading knowledge of French and/or German or Russian.

The department recommends summer field courses given by other colleges (dealing chiefly with the Rocky Mountain region) to interested students who have completed 2 or more units of geology at Wellesley. Credit may be given for such courses provided the student's plans are approved in advance by the department.



# GERMAN

PROFESSORS Goth (Chairman), Engel  
ASSISTANT PROFESSOR Hausammann  
INSTRUCTOR Duckworth<sup>3</sup>  
LECTURER Deutsch

The language of the classroom in all courses is almost exclusively German. The student thus has constant practice in hearing, speaking, and writing German.

The department reserves the right to place a new student in the course for which the student seems best prepared regardless of the number of units the student has offered for admission.

By doing special reading during the summer and upon approval of the chairman, capable students in 100 have the opportunity to omit 102 and proceed with 202.

Qualified students may be recommended to spend the junior year in Germany. See p. 53.

## **100 (1-2) Elementary German**

**2**

Study of grammar and vocabulary; frequent written exercises; reading of short stories; special emphasis on oral expression. Open to students who do not present German for admission. Three periods.

THE STAFF



### **102 (1-2) Intermediate German**

**2**

Intensive language study: emphasis on idiomatic usage and on syntax. Introduction to the critical study of literary texts, mainly 19th and 20th century. Prerequisite: 100 or 2 admission units in German. Three periods. THE STAFF

### **200 (1-2) Idea and Form**

**2**

The evolution of ideas and their reflection in German literature, thought, and science. Passages and complete texts from Goethe to the present. Prerequisite: a placement test for incoming freshmen presenting three or more units in German, or 102, or, by permission of the department, 100. Permission will be based on a good grade in 100, summer work, and a written test.

MISS ENGEL, MISS HAUSAMMANN

**202 (1-2) Eighteenth Century Literature 2**

The literary revival studied in the ideas and the imaginative literature of its major representatives before 1784, i.e., Gottsched, Bodmer, Brockes, Klopstock, Wieland, Winckelmann, Hamann, Lessing, Herder, young Goethe, young Schiller. Three periods. Prerequisite: same as for 200.

MISS GOTH, MRS. DEUTSCH

**204 (1) Goethe I 1**

Lyric, prose, and drama before Goethe's return from Italy. Prerequisite: [104] or 202 or 2 units of 200.

MISS GOTH

**205 (1)\* From Romanticism to Realism 1**

Romantic thought, discovery of the unconscious: Friederich, Schlegel, Brentano, Novalis, E. T. A. Hoffman, Eichendorff, and others. Prerequisite: same as for 204.

MISS GOTH

**206 (2)\* Nineteenth Century Literature 1**

Late Romanticism and Realism. Lyric and prose. Mörike, Heine, Stifter, Keller, C. F. Meyer, Fontane. Prerequisite: same as for 204.

MISS GOTH

**210 (1)\* German Drama 1**

Theory and practice between the age of Gottsched and Brecht. The theories of Gottsched, Schlegel, Lessing, Schiller, and Hebbel will be included as well as the drama of Lenz, Kleist, Büchner, Grillparzer, Hebbel, Hauptmann, and Kaiser. Prerequisite: same as for 204. NOT OFFERED IN 1970-71.

MISS ENGEL

**249 (1) (2) Studies in Language 1**

Intensive grammar review, translation, essay writing, semantics. Prerequisite: 102 or 3 admission units in German.

(1) MISS HAUSAMMANN

(2) MISS ENGEL

**304 (2) Goethe II 1**

Goethe, the poet and the thinker, with emphasis on *Faust*, and his writings after 1788. Prerequisite: 204.

MISS GOTH



**308 (1) Literature of the Late Nineteenth and the Early Twentieth Centuries 1**

Intellectual and aesthetic trends of the period. Varied texts: dramas, lyric poetry, novels, essays, letters of representative authors. Prerequisite: 205 or 206 or 1 unit of Grade III work. MISS ENGEL

**310 (2)\* Schiller 1**

Special emphasis on his lyric, prose, and drama. Open to students who have taken 1 unit of Grade II work after [104] or 202 or after 2 units of 200. NOT OFFERED IN 1970-71. MISS ENGEL

**312 (2) Literature of the Twentieth Century 1**

Aspects and tendencies of 20th century literature from the First World War to the present time. Prerequisite: 308. MISS HAUSAMMANN

**349 (2) Seminar. The Writer and His Age 1**

Topic for 1970-71: Poetry and conceptual language in H. v. Hofmannsthal. MISS ENGEL

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

Course 100 is counted for the degree but not for the major.

Students who begin with 100 and who wish to major in German should consult the department in order to obtain permission to omit 102 and take 202.

Students intending to major in the department are requested to take 202, 204, 304 and at least 2 further units of Grade III work.

Courses 205, 210, 310 and one seminar are strongly recommended for the major.

Courses in art, history (especially History 314), philosophy, English, literature courses in other foreign language departments, and Extradepartmental 330 are recommended.

# GREEK AND LATIN

ASSOCIATE PROFESSORS: Lefkowitz (Chairman),  
Geffcken  
ASSISTANT PROFESSOR: Tracy<sup>1</sup>  
INSTRUCTOR: Dickison, Marvin, Frame  
VISITING PROFESSOR: Beye<sup>3</sup>

## **Greek**

### **100 (1-2) Beginning Greek 2**

Study of the language. Reading from classical authors and from the New Testament. Three periods. Open to students who do not present Greek for admission.

THE STAFF

### **101 (1) Hellenic Heritage 1**

Reading from the works of Homer, the Greek dramatists, Thucydides, and Plato. An introduction to classical literary forms and ideas that continue to concern the western world. Open to all students.

MISS GEFFCKEN

### **104 (2) Classical Mythology 1**

The more important classical myths read in English translations of Greek and Latin authors; their religious origins; their expression in ancient literature and art; their later influence. Open to all students.

MRS. LEFKOWITZ

**201 (1) Plato 1**

*Apology, Crito*, and selections from the *Phaedo*. The character of Socrates and his position in the development of Greek thought. Three periods. Prerequisite: 100 or 2 admission units in Greek or exemption examination.

MRS. LEFKOWITZ

**203 (2) Greek Drama in Translation 1**

Intensive study of tragedies of Aeschylus, Sophocles, and Euripides, with emphasis on their use of myth. Detailed analysis of form and imagery as they relate to the total meaning of the play. Individual research into the dramatization of Greek myths by Seneca and later playwrights. Open to all students.

MR. BEYE

**205 (2) Homer's *Iliad* 1**

Study of selected books in Greek with emphasis on the oral style of early epic; reading of the rest of the poem in translation; the archaeological background of the period. Three periods. Prerequisite: 201.

MISS MARVIN

**228 (1) History of Greece 1**

For description and prerequisite, see History 228. NOT OFFERED IN 1970-71.

**301 (1-2) Greek Drama 2**

Study in Greek of one play by each of the dramatic poets: Aeschylus, Sophocles, Euripides, Aristophanes; reading of other plays in translation. Prerequisite: 205.

(1) MRS. LEFKOWITZ (2) MR. FRAME

**349 (1) (2) Seminar 1**

Topics for 1970-71. First semester: Homer's *Odyssey*. Study of selected books in Greek; reading of the rest in translation with emphasis on the origins of the poem in history and myth. Second semester: Plato and the development of conceptual language. Analysis of Plato's methods of expressing abstract ideas, his use and adaptation of earlier modes of discourse. Reading from *The Republic* and the *Symposium*. Prerequisite: 205.

MR. FRAME

**350 (1) (2) Research or Individual Study 1 or 2**

Open to seniors by permission.



**370 (1-2) Honors Research****2**

Required of all honors candidates in the department.

**Latin****100 (1) Beginning Latin****1**

Fundamentals of the Latin language. Readings from classical and medieval texts. Three periods. Open to students who do not present Latin for admission, or by permission of the instructor.

MISS DICKISON

**101 (2) Intermediate Latin****1**

Reading from classical Latin authors. Intensive review of grammar and syntax. Three periods. Prerequisite: 2 admission units in Latin or 100 or permission of the instructor.

MR. FRAME

**103 (1) Introduction to Vergil's *Aeneid*****1**

Study of the poem with selections from Books I-VI in Latin. Three periods. Prerequisite: 101 or 3 admission units in Latin not including Vergil, or exemption examination.

MR. FRAME

**104 (2) Classical Mythology****1**

For description and prerequisite, see Greek 104.

**202 (1) Cicero and Catullus****1**

Politics, morality, and humor in the last years of the Republic. Study of the technique of destructive oratory and of the evolution of Latin poetic style. Prerequisite: 4 admission units in Latin or 3 including Vergil or 103.

MISS GEFFCKEN

**203 (2) Horace****1**

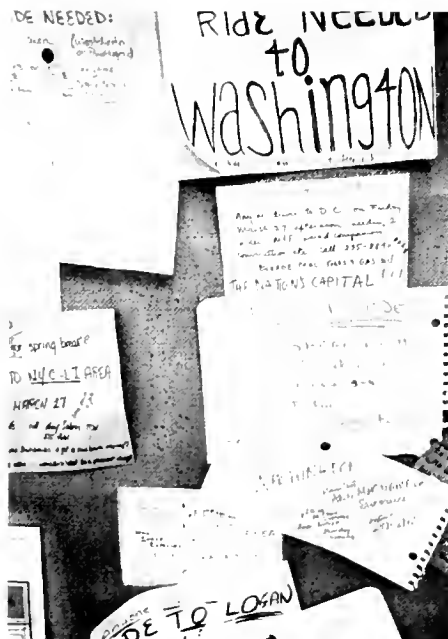
The development of Horace's poetic style and social commentary. Reading from *Satires* and *Odes*. Prerequisite: same as for 202.

MRS. LEFKOWITZ

**206 (2)\* Latin Prose Composition****1**

A study of the development of Latin style with reading and analysis of selected texts; practice in writing Latin prose. Prerequisite: [201] or 202 or 203. NOT OFFERED IN 1970-71

MISS DICKISON



**229 (2) History of Rome 1**

For description and prerequisite, see History 229.

**249 (1) (2) Selected Topics 1**

Topics for 1970–71. First semester: Latin Love Elegy. Reading from Catullus, Propertius, Tibullus, and Ovid. Second semester: Lucretius' re-creation of Epicurean Philosophy in poetic form; his use of early Roman and Hellenistic Greek sources. Prerequisite: 202 or 203 or an AP Latin score of 5.

(1) MISS GEFFCKEN (2) MISS DICKISON

**301 (1) Vergil's *Eclogues* and *Georgics* 1**

The poet's re-creation of the Greek pastoral and his use of didactic and descriptive poetry as a means of examining man's relationship to nature and as political and social commentary. Prerequisite: [211] or [214] or 221 or 222.

MR. FRAME

**302 (2) Vergil's *Aeneid* 1**

The artistic achievement of Vergil in the light of earlier literature, especially Homer and Ennius; Vergil's view of man and the destiny of Rome. Prerequisite: same as for 301.

MISS GEFFCKEN

**308 (1)\* The Struggle for Power in the Late Republic 1**

The events, life, and thought of the late Republic in the letters of Cicero and in the historical writings of Caesar and Sallust. Prerequisite: same as for 301. NOT OFFERED IN 1970–71.

MISS DICKISON

**309 (2)\* Historical Tradition, Morality and Immorality 1**

Livy's portrayal of early Roman heroes as models of behavior and Ovid's and Propertius' rejection of this moral point of view. Prerequisite: same as for 301. NOT OFFERED IN 1970–71.

MISS DICKISON

**316 (1)\* The Effects of Power and Authority in the Empire 1**

The literature of disillusion both historical and satiric



with emphasis on Tacitus and Juvenal. Prerequisite: same as for 301.  
MISS DICKISON

**317 (2)\* Imperial Rome: The Novel 1**

The development of the ancient novel with emphasis on satirical techniques in Petronius and on religious and mythological themes in Apuleius. Prerequisite: same as for 301.  
MISS GEFFCKEN

**350 (1) (2) Research or Individual Study 1 or 2**

Open to seniors by permission.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

To fulfill the distribution requirement in Group A, students may elect any courses in Greek or Latin except 228 and 229.

The following may not be counted toward a major in Greek or Latin: Greek 101, 203; Greek, Latin 104, 228, 229.

All students majoring in Greek must complete 301 or 349.

All students majoring in Latin are required to complete 301, 302, and at least 2 units of the following: 308, 309, 316, 317. Students planning to teach are advised to elect 206.

Latin students who offer an AP Latin score of 5 should elect 249; an AP score of 4 normally leads to 202, but under special circumstances permission may be given to elect 249.

Students majoring in Greek or Latin are advised to elect some work in the other language. It should be noted that work in both Greek and Latin is essential for graduate students in the classics.

Courses in ancient history, ancient art, ancient philosophy, and classical mythology are recommended as valuable related work. Students interested in a major in classical archaeology are referred to the Extradepartmental section where the program is described.

Students who wish to focus a classical major on ancient civilization can plan with the department an appropriate sequence of courses, which should include work in art, history, and literature. Such a program should always contain at least 4 units of work in the original language. Basic knowledge of French or German is recommended.

# HISTORY

PROFESSORS: Gulick<sup>4</sup>, Robinson (Chairman)  
ASSOCIATE PROFESSORS: Preyer, Cohen, Cox  
ASSISTANT PROFESSORS: McLaughlin<sup>4</sup>, Henrikson,  
Bernstein, King<sup>3</sup>, Hosay<sup>3</sup>, Auerbach<sup>3</sup>  
INSTRUCTORS: Wortnman<sup>4</sup>, Garlock, Bertocci, Painter<sup>3</sup>  
LECTURERS: Berlin<sup>3</sup>, Chaplin  
VISITING PROFESSOR: Seal<sup>3</sup>

## **100 (1) (2) Medieval and Early Modern European History 1**

An introduction to the history of Europe from the disintegration of the Roman Imperium through the medieval synthesis and the age of the Renaissance and Reformation, designed to provide understanding of the movements and institutions that have formed our common past and present. Open to all students. THE STAFF

## **101 (1) (2) Modern European History 1**

The elements of continuity and change in the modern world. The emergence of the European state system. The scientific revolution. The expansion of Europe. The Ancien Régime and age of revolutions. Nationalism and industrialization. World wars; totalitarianism and the development of secular ideologies; present world problems. Open to all students. THE STAFF

For directions for applying see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

## (1)

a. Political propaganda in Rome. Evaluation of the characterization by ancient and modern historians of five notorious Romans: Clodius, Catiline, Mark Antony, Tiberius, and Nero. Primary sources will be read in translation.

MISS DICKISON

b. Medieval heroes and society. Leaders and concepts of leadership in European society between the 5th and 15th centuries. An investigation, primarily using contemporary chronicles and biographies, of the ways in which both religious and political "heroes" changed in character with the changing conditions for successful leadership between the "Age of Iron Men and Saints" and the "Age of Renaissance Princes and Prelates." MR. COX

c. Politics and the novel in France, 1815–1914. An introduction to French history in the 19th century. Novels of Stendahl, Balzac, Flaubert, and others used to illuminate significant cultural tensions arising from political, social, and intellectual developments.

MR. BERTOCCI

d. Red, white, and black in the Americas: the initial confrontation. The nature of the relationships among Indians, Europeans, and Africans in the New World of the 16th and 17th centuries; the imagination of otherness; the origin and development of modes of servitude, slavery, and freedom.

MRS. PREYER

## (2)

a. Imperialism in modern Asian history with special attention paid to East Asia. After introductory reading in comparative history and in various theories of imperialism, the class (collectively and individually) will explore the impact of western imperialism in China and Japan and of Japanese imperialism in Korea. One aim of the course will



be to test the adequacy of the more prominent general theories of imperialism as explanations of imperialism "as it was" in East Asia. Another aim will be to explore the purposes, procedures, and problems of comparative history.

MR. COHEN

b. The United States and the Spanish Civil War. An examination based largely on primary sources of the involvement of individual Americans in the Spanish Civil War (1936–1939). The political and moral issues generated by that conflict will receive as much attention as military and diplomatic events. The course will begin with an intensive study of the role and writings of Ernest Hemingway.

MR. HENRIKSON

c. Politics and the novel in France, 1815–1914. Same as 150c(1).

MR. BERTOCCI

## **202 (1) (2) Europe in the Twentieth Century 1**

A general survey dealing with political developments within states (including the rise of communism and fascism) and diplomatic relations among them. Open to freshmen and sophomores who have had high school preparation in modern European history or who have taken 101, and to juniors and seniors without prerequisite.

MR. GARLOCK

## **203 (1-2) History of Western Thought 2**

The intellectual history of the West from the Greeks to the present day. Open to qualified freshmen and sophomores (see Directions for Election), and to juniors and seniors without prerequisite. Either semester may be taken independently.

(1) MRS. CHAPLIN (2) MRS. KING

## **207 (1-2) History of Modern Germany 2**

A study of the major political, social, economic, and cultural developments in Germany from the mid-17th century to the present. The first semester will focus primarily on the 18th and 19th centuries; the second, primarily on the 20th century. Open to qualified freshmen and sophomores (see Directions for Election), to sophomores who have taken 100 or 101 or courses in the related language or literature, and to juniors and seniors without prerequisite. Either semester may be taken independently.

MR. BERNSTEIN



**208 (1) Modern African History 1**

Introduction to African history from 1800 to the present; precolonial Africa; colonial empires and policies; independence movements and decolonization. Open to all students. MR. GARLOCK

**209 (1-2) History of Russia 2**

First term: The Kievan State to 1861. Second term: 1861 to the present with emphasis on the Soviet State and its institutions. Prerequisite: same as for 207. Either semester may be taken independently. MRS. BERLIN

**210 (1) The Age of Louis XIV in France 1**

Society and government in 17th century France. The political and cultural background under Richelieu and Mazarin; social, political, and intellectual life during the Golden Age of Absolutism under Louis XIV. Open to sophomores who have taken 100 or 101, or courses in related language and literature, and to juniors and seniors without prerequisite. MR. COX

**211 (2) The Enlightenment, the French Revolution, and Napoleon 1**

French civilization in the 18th century; analysis of the causes, events, and results of the Revolution. The era of the Revolution and the Napoleonic Empire with emphasis upon political, social, and cultural developments and their impact upon the rest of Europe. Prerequisite: same as for 210.

MR. COX

**213 (1-2) History of England 2**

A general survey of English history, political, constitutional, and social with special emphasis on England's contributions to the modern world. Some attention to problems of historical interpretation. Prerequisite: same as for 207. MRS. ROBINSON

**214 (1) The Hispanic World 1**

The political, social, economic, and cultural evolution of the Latin American World from colonial days to the present. Emphasis on colonial institutions and their relations to historical developments in the Iberian peninsula, and on the fundamental problems, especially in certain key countries, of modern and contemporary Latin America. Prerequisite: same as for 210. MR. LOVETT

**217 (1-2) The Renaissance and Reformation 2**

First semester: Topics in the history of the Renaissance: Italy and selected areas of northern Europe 1300–1600. Second semester: The reformations of the 16th century; emphasis on Luther, Zwingli, Calvin and the Anglican Settlement, the Radical reformers, the Catholic Reformation, and the relationships between religious developments and the broader historical context. Open to freshmen and sophomores who have taken 100 or related work in art, literature, or philosophy, and to juniors and seniors without prerequisite. Either semester may be taken independently. NOT OFFERED IN 1970–71

MRS. McLAUGHLIN

**219 (2) Medieval Institutions 1000–1300 1**

European medieval society during the High Middle Ages. Feudal and Christian kingship, warfare, and knighthood; manors and towns in an era of economic and technological change. Universities and the Church, with emphasis upon social and cultural ideas. Prerequisite: same as for 207.

MR. COX

**220 (1) United States Urban History 1**

Origin and development of urban areas in the United States, from the 17th century to the present. Topics include: technological and environmental aspects of urbanization; changing role of cities in a regional and national economy; spatial relationships; urban demography; class structure; and cities as generators of social problems. Open to sophomores, juniors, and seniors who have taken 2 units of history or 1 unit of history and 1 unit of sociology, economics, or political science, or by permission of the instructor.

MR. HOSAY

**221 (1) Colonial America 1607–1783 1**

The development of the British colonies in North America, the evolution of British colonial policy, and the American Revolution. Open to sophomores, juniors, and seniors who have taken 2 units in history, economics, political science, or sociology.

MRS. PREYER

**222 (2) The United States 1783–1850 1**

The adoption of the Constitution and the development of the new nation to the Compromise of 1850. Prerequisite: same as for 221.

MRS. PREYER





**223 (1) The United States 1850–1900 1**

A comparative-historical and interdisciplinary approach will be taken in a study of the following topics: slavery, the Civil War, reconstruction, immigration, industrialization, populism, and urbanization. Prerequisite: same as for 221.

MR. HENRIKSON

**224 (1) (2) The United States in the Twentieth Century 1**

Political, social, and intellectual developments in an industrial society. Foreign affairs considered only in relation to domestic politics. Prerequisite: same as for 221.

(1) MR. AUERBACH (2) MR. HENRIKSON

**225 (1) Japanese History 1**

Japanese history from earliest times to the present, stressing Japan's quest for modernity in the 19th and 20th centuries and the consequences of this quest. Open to all students. NOT OFFERED IN 1970–71.

**226 (1) Pre-Modern Chinese History 1**

Chinese civilization from earliest times to the period of the modern western impact. Emphasis on the development of thought and political institutions. Extensive readings in Chinese literature. Open to all students.

MR. COHEN

**227 (2) Modern Chinese History 1**

The history of China from the Opium War to the Cultural Revolution. Analysis of political, economic, social, and intellectual changes stimulated by the intrusion of the modern West. Open to all students.

MR. COHEN

**228 (1) History of Greece 1**

A survey of the history of Greece beginning with Crete and Mycenae. The achievements of the Greek city-states in thought and art studied against the background of political and social developments. Open to all students. NOT OFFERED IN 1970–71.

**229 (2) History of Rome 1**

Violence as a factor in Roman politics; a study of the forms which political violence took in ancient Rome and the problems of its control. Particular attention will be paid to the period 133–44 B.C. Open to all students.

MISS DICKISON

**230 (1) Modern India and Pakistan 1**

Social economic and political change in India under British rule, with the main emphasis on the political response to Imperial rule. From the end of the 18th century to 1947. Open to all students. MR. SEAL

**231 (1) Imperialism and Colonial Nationalism 1**

Introductory themes in the Expansion of Europe (Portuguese, Dutch, Spanish, English and French expansion before the 19th century); followed by a study of nineteenth century Imperialism in both its formal and informal modes. Topics will include: informal empire in Turkey, China and Latin America; the crises in Egypt and South Africa; the partition of Africa; the French empire in North and West Africa; German Imperialism; Russian expansion into central Asia; the "partition" of China. The nationalist movements in the Middle East, Southeast Asia, China and Africa will also be examined. Open to all students.

MR. SEAL

**300 (1) (2) Historical Thinking and Its Problems 1**

A study of the variety of approaches to history used by historians in the past and present. The relationship between the historical disciplines and disciplines such as the social sciences and literature. Problems confronting the historian today: evidence, causation, generalization, value judgment, objectivity. Open to sophomores, juniors, and seniors who have taken 2 units of history at the Grade II level, or by permission of the instructor.

MRS. ROBINSON

**305 (1-2) Diplomatic History of Europe Since 1789 2**

Problems of European diplomacy and statecraft from 1789 to the present. Prerequisite: same as for 300. NOT OFFERED IN 1970-71.

MR. GULICK

**307 (1-2) History of United States Foreign Policy 2**

The development of United States foreign policy from the Revolution to the present. First semester, to 1918; second semester, 1918 to the present. By permission of the instructor, either semester may be taken independently. Prerequisite: same as for 300.

MR. HENRIKSON

**308 (1-2) American Constitutional Development 2**

First semester: English origins of American constitutionalism, the transmission of English legal institutions to the American Colonies, the federal Constitution, and the development of the role of the Supreme Court to 1837. Second semester: Analysis of constitutional controversies in the context of political and economic change in the 19th and 20th centuries. Open to juniors and seniors who have taken 2 units of history or political science at the Grade II level, or by permission of the instructor. NOT OFFERED IN 1970-71

**310 (1-2) Intellectual History of the United States 2**

Ideas associated with the development of American culture as they are embodied in political thought, religion, the arts, philosophy, and social institutions from the colonial period to the present time. Open to juniors and seniors who have taken 1 unit of Grade II work in history, or by permission of the instructor. MRS. PREYER

**313 (2) Intellectual History of Russia 1**

Emphasis on the tradition of radical social thought in the 19th and early 20th centuries. Prerequisite: same as for 300. NOT OFFERED IN 1970-71. MRS. BERLIN

**330 (2) Seminar. Medieval Europe 1**  
NOT OFFERED IN 1970 71

**331 (1) Seminar. The Expansion of the Normans 1**

Norman culture and institutions and their European-wide influence in the 11th and 12th centuries. Particular emphasis will be on the impact of the Norman Conquest and the continuing contact between Normandy and England. Comparisons will be made with the Norman Kingdom of Sicily and the Crusading states. Open to juniors and seniors by permission of the instructor. (See Directions for Election.) MRS. KING

**332 (2) Seminar. Afro-American History 1**

Topic for 1970-71: Research seminar in 19th century Afro-American history from a black point of view. Students will be expected to do original research. Prerequisite: same as for 331. MISS PAINTER





**333 (1) Seminar. American History I 1**

Topic for 1970–71: Foreign policy issues in the 1940's including the origins of the "Cold War." Prerequisite: same as for 331. MR. HENRIKSON

**335 (2) Seminar. American History II 1**

Topic for 1970–71: The challenge of urban poverty. Prerequisite: same as for 331. MR. HOSAY

**336 (1) Seminar. American Urban History 1**

NOT OFFERED IN 1970–71

**337 (2) Seminar. French Intellectual History 1**

Topic for 1970–71: "Official Ideas" and the Revolutionary Tradition in France, 1801–1914. Considers the rival efforts of two great cultural institutions, the French Church, and the state system of education, to propagate their particular varieties of conservatism in post-revolutionary France. Prerequisite: same as for 331.

MR. BERTOCCI

**338 (2) Seminar. Chinese History 1**

Topic for 1970–71: Chinese Historiography: The aims and methods of Chinese historical writing from Confucius to Mao. Prerequisite: same as for 331. MR. COHEN

**339 (1) Seminar. Communist China 1**

Exploration of selected problems in Chinese Communist history. Prerequisite: same as for 331. MR. COHEN

**341 (1) (2) Seminar. Comparative History 1**

Topic for 1970–71: The Interwar Mood. An examination of the *Zeitgeist* of the 1920's and 1930's in France, England, and Germany, with particular regard to the response in the 1920's to the experience of war and to the threat of war in the 1930's. Prerequisite: same as for 331.

MR. BERNSTEIN

**342 (2) Seminar. Imperialism 1**

Concepts and manifestations of European and American imperialism in the 19th and 20th centuries. Emphasis on Africa. Prerequisite: same as for 331. MR. GARLOCK

**343 (2) History of the Middle East 1**

Social and cultural institutions of the Islamic Empires up to the 19th century; the impact of the West and the rise and development of national movements in the 19th and 20th centuries. Prerequisite: same as for 331.

MRS. BERLIN

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

The general European history survey courses (100 and 101), and Grade II survey courses in classical (228, 229), Asian (225, 226, 227, 230, 231), and African (208) history are open to all students without prerequisite. In addition, freshmen and sophomores with a strong secondary school background in European history (modern and ancient or medieval) may elect as a beginning course 203, 207, 209, 213.

The colloquia are available to freshmen and sophomores without prerequisite. Since colloquia enrollments are limited, special application must be made. Incoming freshmen may obtain application forms from the class dean, sophomores from the department secretary, Founders 120. If a colloquium is oversubscribed the instructor will decide which applicants are to be accepted. Students are advised to apply for more than one, indicating first, second, and third choices if they wish.

History 100 is strongly recommended for students planning to major in history. History 101 is also strongly recommended for students who plan to major and who have not taken a modern European history survey in high school.

A wide variety of programs may provide insight into the nature and scope of history as a discipline. Accordingly, the major student is given great latitude in designing a program of study. The student may elect courses freely but ordinarily should have as a primary focus one of the following: (1) a particular geographic area, nation, or culture; (2) a limited time period; (3) a special aspect of history (e.g., social, diplomatic, intellectual); (4) a significant

historical problem or theme (e.g., revolution, urbanization, racism). In designing a program students are encouraged to consider courses given at MIT and in other departments at Wellesley. The concept of the major should be discussed with the major adviser and students should consult with their advisers about changes they may wish to make in the course of the junior and senior years.

History 300 is designed to acquaint students with the development of history as a discipline and to alert them to some of its methodological and interpretive problems. It is strongly recommended for major students, preferably in the junior year. It is also open to non-majors.

Seminars, unless otherwise indicated, are open by permission of the instructor to qualified juniors and seniors. Since enrollments are limited, a student wishing to apply for admission to one or more seminars must fill out an application blank, available in the department office, Founders 120.



All courses are conducted in Italian except 150, 226 and 227. In all courses except seminars some work will be required in the laboratory.

Qualified students may be recommended to spend the junior year in Italy. See p. 53.

**100 (1-2) Elementary Italian 2**

Development of basic language skills for the purpose of acquiring contemporary spoken Italian and a reading knowledge useful in the study of other disciplines. A general view of Italian civilization. Three periods.

THE STAFF

**150 (1) Colloquium 1**

For directions for applying, see p. 204. Open by permission to a limited number of freshmen and sophomore applicants.

**(1)**

A multilateral approach in English to the study of contemporary Italy. A society in dynamic transformation, a Mediterranean and a European country, with centuries of fragmentation, a brilliant Renaissance, and with some of the problems of developing nations. MISS AVITABILE



**202 (1) Intermediate Italian 1**

Written and oral practice to develop fluency. Topics of contemporary interest with readings from newspapers, periodicals, and short stories. Prerequisite: 100 or its equivalent. MISS AVITABILE

**207 (2) Significant Moments of Italian Literature: The Middle Ages to the Post-Renaissance 1**

Important literary movements interpreted through the study and analysis of selected medieval, humanistic, and Renaissance works. Prerequisite: 202 or 205 or [206]. MR. Oldcorn

**226 (1) Renaissance Humanism 1**

For description and prerequisite, see Extradepartmental 226.



**227 (2) Petrarch and the European Love Lyric 1**

For description and prerequisite, see Extradepartmental 227.

**301 (1-2) Dante 2**

A study of Dante's *Divina Commedia* and minor works. Prerequisite: 207 or permission of the instructor.

MISS AVITABILE

**303 (2) Italian Romanticism 1**

Pre-romantic and romantic literature with special reference to Foscolo, Leopardi, and Manzoni. Prerequisite: same as for 301.

MISS AVITABILE

**308 (1) From Verismo to Neo-Realism 1**

A study of the main literary trends of the last century as seen in the works of representative authors such as Verga, Pascoli, Pirandello, Svevo, Moravia, Vittorini, Pavese, Montale. Prerequisite: same as for 301. MR. Oldcorn

**349 (2) Seminar 1**

Topic for 1970–71: Literary criticism. Research into significant phases of the history of Italian criticism (including Dante, the Renaissance Aristotelians and Tasso, Vico, De Sanctis, Croce), as well as into contemporary trends. Open by permission of the instructor.

THE STAFF

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to students who have completed 2 units in literature in the department.

**370 (1-2) Honors Research 2**

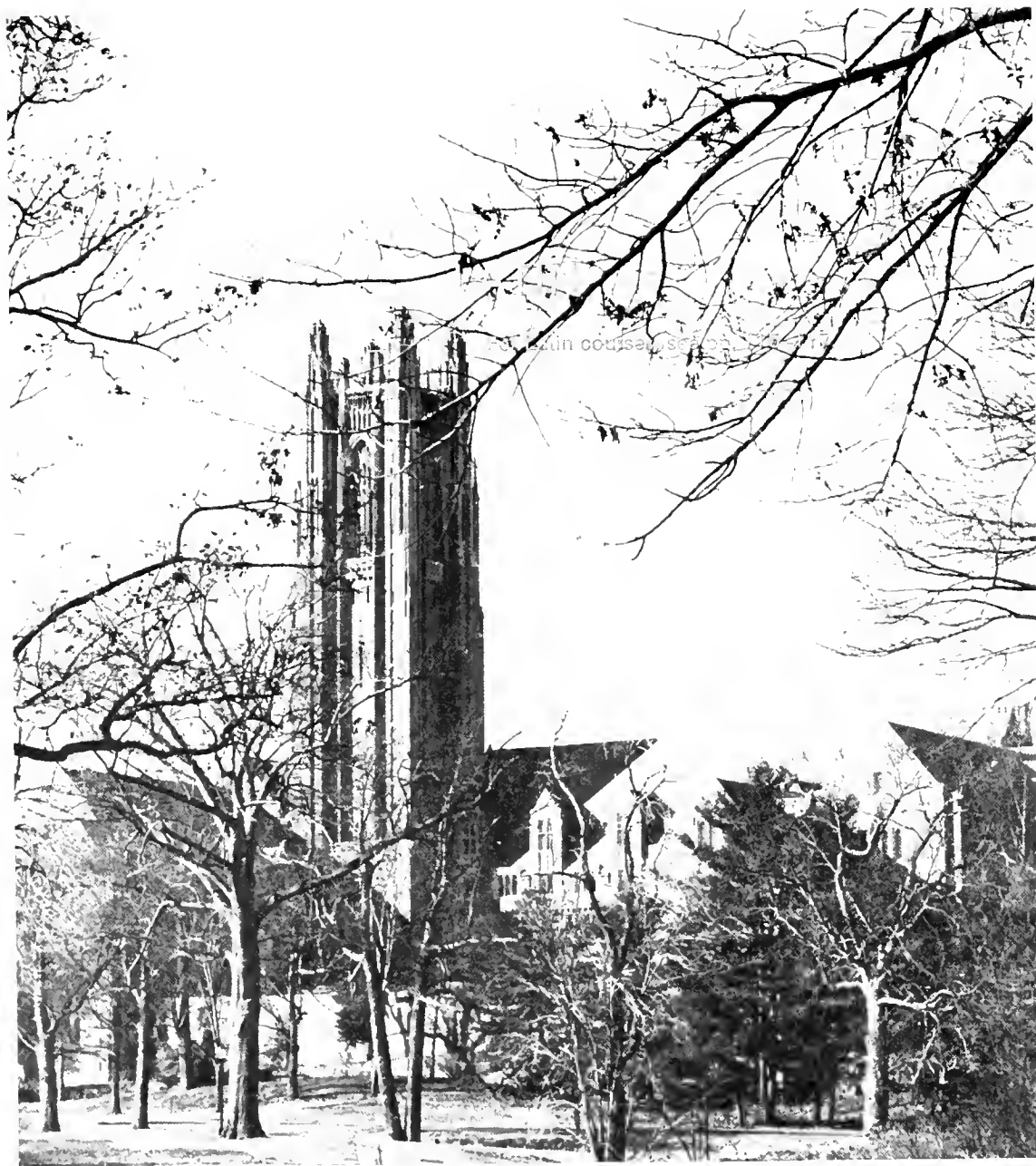
Required of all honors candidates in the department.

**Directions for Election**

Course 100 counts for the degree but does not count for the major.

Courses in one or more other literatures, ancient or modern, in art, history, philosophy and Extradepartmental 330 are recommended as valuable related work.

Majors planning to do graduate work in Italian are advised to take at least 1 unit in French or Spanish literature and to have a reading knowledge of Latin or of a third Romance language.



## MATHEMATICS

PROFESSORS Schafer, Evans  
ASSOCIATE PROFESSOR Norvig (Chairman)  
ASSISTANT PROFESSORS Auslander, Renz, Wilcox  
INSTRUCTORS Graham, Fritsker, Myers

All courses meet for two periods weekly with a third period every other week.

### **100 (1) (2) Introduction to Mathematical Thought 1**

Study of form in mathematical thought with emphasis on interrelationships of structural patterns. Material selected from such areas as number theory, algebraic and geometric structures, and theory of infinite sets. Courses 100 and 102 are intended primarily as terminal courses; both may be elected. Open to all students except those who have taken or are taking 107.

THE STAFF

**102 (1) (2) Introduction to Finite Mathematics 1**

Topics selected from such areas as logic, sets, partitions, probability, vectors and matrices; applications in the biological and social sciences. Courses 102 and 100 are intended primarily as terminal courses; both may be elected. Open to all students.

(1) MR. NORVIG (2) MR. PRITZKER

**107 (1) (2) Fundamental Concepts of Mathematics 1**

Mathematics viewed as structural form through study of algebraic and geometric systems, construction of the real and complex number systems, axiomatic theories, and other foundational topics. Material in part similar to that of 100 but treated in greater depth. Intended primarily for persons with strong interests in the conceptual aspects of mathematical thought. Open to all students except those who have taken or are taking 100. MISS EVANS

**110 (1) (2) Analytic Geometry, Introduction to the Calculus I 1**

Study of functions of one variable. Limits and continuity. Differential calculus of algebraic functions with applications. The definite integral. Prerequisite: substantial work in the theory of trigonometric functions. No credit is given for 110 unless it is followed by 111. THE STAFF

**111 (1) (2) Analytic Geometry, Introduction to the Calculus II 1**

The Fundamental Theorem of Calculus. The trigonometric, the logarithmic and the exponential functions. Techniques of integration. Prerequisite: 110 or a substantial introduction to the calculus. THE STAFF

**203 (1) Probability and Elementary Statistics 1**

Topics selected from the theory of sets, discrete probability for both single and multivariate random variables, probability density for a single continuous random variable, expectations, mean, standard deviation, and sampling from a normal population. Prerequisite: [109] or 111 or the equivalent. MR. RENZ

**206 (1) (2) Linear Algebra 1**

Systems of linear equations, vector spaces over the real and complex fields, linear transformations, matrices, determinants. Prerequisite: same as for 203. THE STAFF

**207 (1) (2) Intermediate Calculus I 1**

Extension of the study of differential and integral calculus begun in 111. Infinite series and Taylor's theorem. Prerequisite: [109] or 111. THE STAFF

**208 (1) (2) Intermediate Calculus II 1**

Two and three dimensional vector algebra; three dimensional analytic geometry; partial differentiation; multiple integration. Prerequisite: [200] or [204 (1)] or 207. Students entering with Advanced Placement credit may substitute 206 for 207 as a prerequisite. MR. MYERS

**210 (1) Differential Equations 1**

An introductory course in ordinary differential equations. Prerequisite: [200] or [204 (1)] or 207. Not open to students who have taken [303]. MR. NORVIG

**249 (2) Selected Topics 1**

Topic for 1970-71: Introduction to numerical analysis. Polynomial approximations, numerical integration and differentiation, solutions of equations, and error analysis. The emphasis will be on those methods of classical numerical analysis which lend themselves to high-speed computing. Prerequisite: [109] or 111. MR. NORVIG

**301 (2)\* Mathematical Statistics 1**

Topics include continuous multivariate densities, moment generating functions, sampling theory, estimation, confidence intervals, tests of statistical hypothesis and regression. Prerequisite: 203, and [201] or [204] or 208. MR. RENZ

**302 (1-2) Elements of Analysis 2**

Point set theory; study of convergence, continuity, differentiation and integration in finite dimensional Cartesian spaces. The first semester may be taken independently. Prerequisite: 206, and [201] or [204] or 208. MR. WILCOX

**305 (1-2) Modern Algebraic Theory 2**

Introduction to algebraic systems including groups, rings, integral domains, fields, abstract vector spaces. The first semester may be taken independently. Prerequisite: same as for 302. MRS. SCHAFER



**308 (1) Topics in Geometry 1**

Topic for 1970–71: Algebraic Geometry. Algebraic curves, power series representations, intersection theory, differentials on a curve, and Riemann-Roch theorem. Prerequisite or corequisite: 305 (1) or permission of the instructor. MR. GRAHAM

**310 (2) Functions of a Complex Variable 1**

Elementary functions and their mapping properties; integration theory; series expansions of analytic functions. Prerequisite: 302 (1). MISS EVANS

**349 (2) Selected Topics 1**

Topic for 1970–71: Foundations of Mathematics. Paradoxes, axiom systems, models, set theory, cardinal and ordinal numbers. Prerequisite: 305 (1) or permission of the instructor. MR. PRITZKER



### **350 (1) (2) Research or Individual Study 1 or 2**

Open to juniors and seniors by permission.

### **370 (1–2) Honors Research 2**

Required of all honors candidates in the department.

## **Directions for Election**

A major in mathematics must include 206, the first semester of 302 and of 305, and the second semester of 302 or 310. Two units of Grade III must be taken in the senior year.

Courses 100 and 102 may not be counted in the major. Students planning to elect both units of 302 or 305 should take both in the same year.

Students expecting to do graduate work in mathematics should elect the second semester of 302 and of 305, 308, 310, and 349. They are also advised to acquire a reading knowledge of one or more of the following languages: French, German, or Russian.

Students who expect to teach at the secondary school level are advised to elect the second semester of 302, and 308 and 310.

## **Placement in Courses and Exemption Examinations**

Students entering with scores of 4 or 5 on the Advanced Placement AB Examination, or 3 on the BC Examination, of the College Entrance Examination Board are eligible for 206 and 207; those entering with scores of 4 or 5 on the Advanced Placement BC Examination of the College Entrance Examination Board are eligible for 206 and 208.

Examinations for exemption from one or two courses in mathematics to satisfy partially the college requirement in science and mathematics will be offered to students who have been well prepared in the subject matter of 110 and 111. If the student passes both 110 and 111 examinations, she will receive exemption from two units in mathematics; if she should pass the 110 examination only, she may receive exemption from two units provided she takes and passes course 111. No units of exemption will be given for passing the 110 examination only.

# MUSIC

PROFESSOR: Lamb

ASSOCIATE PROFESSORS: Herrmann, Jander  
(Chairman)

ASSISTANT PROFESSOR: Barry

INSTRUCTORS: Reichard<sup>3</sup>, Benjamin

LECTURER: Atkins<sup>3</sup>

INSTRUCTORS IN PERFORMING MUSIC Zighera  
(Cello), Goetze (Piano), Taylor (Organ), Pappoutsakis  
(Harp), Speyer (Oboe and English Horn), Shapiro  
(Horn), Wrzesien (Clarinet), Preble (Flute), Vivian  
(Organ), O'Donnell (Voice), Pinto (Violin), Cook  
(Viola da gamba), Hedberg (Viola), Moss (Piano),  
Odiaga (Harpsichord), Plaster (Bassoon and Assistant  
in Chamber Music).

## **101 (1-2) Introductory Course**

**2**

The fundamentals of musicianship. Development of reading and listening skills. Introduction to traditional harmony. Open to all students. The first semester may be elected independently. Three periods: one lecture and two section meetings.

MISS BARRY, MR. LAMB

## **103 (1-2) Introduction to the Literature of Music**

**2**

An historical survey course designed to develop the





student's musical understanding, insight, and powers of observation through the study of music of various styles and periods. No previous knowledge of music required. Open to sophomores, juniors, and seniors who have taken not more than one unit in the department. Not to be counted toward a major. Two periods of lecture and one section meeting.

MR. HERRMANN, MISS REICHARD

**106 (2) Afro-American Music 1**

A survey of black music in America, its origins, its development, and its relation to cultural and social conditions. Open to all students. Not to be counted toward a major in music.

MR. ATKINS

**200 (1-2) Survey of Design in Music 2**

A survey of materials and methods of composition from the earliest times to the present. Prerequisite: 101. Three periods.

Mr. JANDER

**203 (1-2) Counterpoint 2**

Two- and three-part writing. Analysis. Prerequisite: 101.

MR. BENJAMIN

**208 (1)\* The Baroque Period 1**

Studies in the music of the 17th and early 18th centuries with emphasis on the works of Bach and Handel. Not to be counted toward a major. Prerequisite: 101 or 103. NOT OFFERED IN 1970-71.

MR. JANDER

**209 (1)\* The Classical Period 1**

Studies in the music of Haydn, Mozart, and Beethoven. Not to be counted toward a major. Prerequisite: 101 or 103.

MISS BARRY

**210 (2)\* The Romantic Period 1**

Analysis of representative compositions of the 19th century. Not to be counted toward a major. Prerequisite: 103 or 200 or 209.

MR. JANDER

**214 (2)\* The Twentieth Century 1**

An introduction to contemporary music. Not to be counted toward a major. Prerequisite: 103 or 200 or 208 or 209. NOT OFFERED IN 1970-71.

MR. JANDER

**303 (1) The Middle Ages and the Renaissance 1**

Topic for 1970–71: Studies in the motet, chanson, and madrigal. Prerequisite: 200 or, by special permission, 2 units of Grade II in the literature of music.

MR. JANDER

**307 (2) The Opera 1**

A study of operatic forms, styles, and traditions from the time of Mozart to the present. Open to juniors and seniors who have taken 2 units of Grade II in the literature of music.

**312 (1-2) Harmony 2**

The figured bass. Harmonization of melodies. Analysis. Three periods. Prerequisite: 203.

MR. LAMB

**316 (1-2) Introduction to Composition 2**

Advanced studies in theory. The principles of instrumentation. Composition for small ensembles. Prerequisite: 312 and 320.

MR. LAMB

**319 (1) Seminar. The Nineteenth Century 1**

Topic for 1970–71: The tone poem from Berlioz and Liszt through Strauss and Debussy. Open to students who have taken 200 and who have taken or are taking 312.

MR. BENJAMIN

**320 (2) Seminar. Studies in Music Since 1900 1**

Topic for 1970–71: Selected works of Béla Bartók. Prerequisite: same as for 303.

MISS BARRY

**321 (1) Seminar. The Age of Bach and Handel 1**

Topic for 1970–71: Studies in the oratorio of Handel. Prerequisite: same as for 319.

MR. LAMB

**322 (2) Seminar. Classicism and Transition 1**

Topic for 1970–71: The development of the classical piano concerto. Prerequisite: same as for 321.

MR. BENJAMIN

**344 (1) (2) Performing Music 1 or 2**

Intensive study of interpretation and of advanced technical performance problems in the literature. Open by





permission of the instructor to qualified juniors and seniors who have taken or are taking 200. (See Directions for Election.) One hour lesson per week. **THE STAFF**

### **350 (1) (2) Research or Individual Study 1 or 2**

Directed study in theory, orchestration, composition, or the history of music. Open to seniors by permission.

### **370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

## **Basic Keyboard Skills**

Training in sight reading, keyboard harmony, score reading, and harmonic reduction is available without charge to music majors and to sophomores who have taken or are taking 200 and 203. It is offered on a yearly basis and with no credit and may be elected in successive years. Students wishing to enroll in this program should notify the department in accordance with the procedure required for the election of an academic course.

## **Performing Music: Instrumental and Vocal Lessons**

Instruction is provided in voice, piano, organ, harpsichord, harp, violin, viola, cello, viola da gamba, flute, oboe, clarinet, bassoon, and French horn. The department strongly recommends the study of performing music as a complement to the course work.

Students except those in 344 who elect performing music instruction are charged at the rate of \$168 for a half-hour private lesson per week throughout the year. An additional fee of \$20 per year is required of all performing music students for the use of a practice studio for one period daily. The fee for daily harpsichord or organ practice is \$30. Performing music fees are payable in advance and are not subject to return or reduction except upon recommendation of both the dean of students and the chairman of the Department of Music.

Special arrangements may be made for group instruction in viola da gamba only. The rate is \$56 for the semester or \$112 for the year for a one-hour group lesson per week. Private instruction in viola da gamba may be taken at the rate of \$84 for the semester or \$168 for the year for a half-hour lesson per week.

Students may take performing music provided they take or have already taken 1 unit in the theory of music. Performing music is an elective, and students wishing to take it should notify the department in accordance with the procedure required for the election of an academic course. Performing music may be taken for academic credit, but only by students enrolled in 344. (See course description and Directions for Election.)

Instruction in performing music is available to graduates of Wellesley College and to residents of the Town of Wellesley by special arrangement.

Performing music study is normally undertaken on a yearly basis, although with the permission of the chairman of the department it may be elected for a single semester only. Students whose work proves unsatisfactory may be required to discontinue their lessons.

The College subscribes for eight seats in the Saturday evening series of the Boston Symphony Orchestra. Tickets for these concerts are available at cost and students taking music courses are given preference in the use of them.

### Directions for Election

One to 4 units of 344 may be counted towards the degree provided at least 2 units of Grade III work in the literature of music are completed. Music 344 should ordinarily follow or be concurrent with such courses in the literature of music; not more than 1 unit may be elected in advance of election of Grade III work in the literature. Only 1 unit of 344 may be elected per term.

Permission to elect a unit of 344 is granted only after a student has successfully auditioned for the department faculty upon the recommendation of her instructor in performing music, such audition to take place early in the second semester of the student's sophomore or junior year. Permission to elect subsequent units is granted only to a student whose progress in 344 is judged excellent.

Students wishing to major in music should consult with the chairman of the department who will advise them in planning their work both in the major and in such related fields as European history, literature, and art. Music majors are strongly encouraged to enroll in the Basic Keyboard Skills program. Those who propose after graduation to continue into musicology should note that a reading knowledge of both French and German is essential for work in that field and that in addition a certain proficiency in Italian and in Latin is highly desirable.



# PHILOSOPHY

PROFESSORS: Onderdonk, Haring  
ASSOCIATE PROFESSORS: Stadler (Chairman),  
Putnam  
ASSISTANT PROFESSORS: Congleton, Shue

## **101 (1) (2) Plato**

**1**

An introduction to philosophy through the study of selected Platonic dialogues, emphasizing Plato's view of the nature of man and of human development. Some comparison with alternative accounts, e.g. those of Dewey, Freud, or Sartre. Open to all students.

THE STAFF

## **107 (1) The Development of Modern Philosophy 1**

For description see 207. Open to freshmen and to sophomores who have taken no other course in philosophy.

MISS ONDERDONK, MISS CONGLETON

### 109 (1) (2) Problems for Twentieth Century Philosophy 1

Problems pertaining to the nature of man and his moral and/or social commitments as these present themselves to philosophers reflecting upon life in the 20th century. Readings primarily (but not exclusively) from the contemporary philosophical literature, selected with a view to reflecting and explaining certain distinctive features of alternative present-day philosophical approaches. Open to all students. MRS. HARING, MR. SHUE

### 150 (1) (2) Colloquia 1

For directions for applying see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

#### (1)

The views of Hobbes, Locke, Rousseau, and Lenin. Discussion will center on whether some states are better than others, whether revolutions are ever justified, whether there will always be a state, whether the state should enforce a particular morality. MRS. PUTNAM

#### (2)

a. The views of Hobbes, Locke, Rousseau, and Lenin. Same as 150 (1). MRS. PUTNAM

b. Freedom and determinism. An examination, based primarily on recent studies, of the problem of free will and the related notions of responsibility, choice, action, predictability, reasons, and causes. MISS ONDERDONK

c. History of Science I. For description and prerequisite, see Extradepartmental 150.

### 201 (2) History of Classical Greek Philosophy 1

Readings in Plato's later dialogues and in Aristotle's treatises with a view to tracing the principal developments in epistemology and metaphysics. Selected readings also from the pre-Socratics and the Scholastics. Prerequisite: 101 or permission of the instructor. MRS. HARING

**203 (1) (2) Philosophy of Art 1**

An examination of some major theories of art and art criticism. Emphasis on the clarification of such key concepts as style, meaning, and truth, and on the nature of judgments and arguments about artistic beauty and excellence. Open to freshmen and sophomores who have taken one course in philosophy, and to juniors and seniors without prerequisite. (1) MRS. HARING (2) MRS. STADLER

**204 (1) Philosophy of Language 1**

An investigation of some philosophical questions about language such as the relation between language and thought and the nature of meaning. Open to sophomores who have taken one course in philosophy, and to juniors and seniors without prerequisite. MISS CONGLETON

**206 (2) Moral Philosophy 1**

A systematic investigation of moral reasoning and moral judgments. Readings from traditional and contemporary sources. Prerequisite : same as for 203.

MRS. PUTNAM



### 207 (1) (2) The Development of Philosophy in the Seventeenth Century 1

The evolution of Continental Rationalism and the beginnings of British Empiricism presented through a detailed study of the major philosophers of the early modern period: Descartes, Hobbes, Spinoza, Locke. These developments in philosophy viewed in the context of the intellectual history of the time. Prerequisite: same as for 203.

(1) MRS. PUTNAM (2) MISS ONDERDONK

### 208 (2) The Development of Philosophy in the Eighteenth Century 1

The evolution of British Empiricism presented through a study of its major representatives: Locke, Berkeley, Hume. Some consideration of Kant's response. These developments in philosophy viewed in the context of the intellectual history of the time. Open to freshmen who have taken 107, to sophomores who have taken one course in philosophy, and to juniors and seniors without prerequisite.

MISS ONDERDONK, MISS CONGLETON

### 211 (2)\* Philosophy of Religion 1

An examination of basic problems regarding the nature of religion, the grounds of religious belief, and the character of ritual, with attention to both traditional and contemporary positions. Prerequisite: same as for 204. NOT OFFERED IN 1970-71.

MISS CONGLETON

### 216 (1) Logic 1

An introduction to the methods of symbolic logic and their application to arguments in ordinary English. Discussion of validity, implication, consistency, proof, and of such topics as the thesis of extensionality and the nature of mathematical truth. Open to sophomores who have taken one course in philosophy or mathematics, and to juniors and seniors without prerequisite.

MISS ONDERDONK

### 217 (1)\* Philosophy of Science 1

An examination of the fundamental relations between science and philosophy, showing how some basic philosophical issues have their origins and justification in theories about the natural world. Examples from the social and physical sciences. Prerequisite: same as for 203. NOT OFFERED IN 1970-71.

MRS. PUTNAM





**219 (2) History of Science II 1**

For description and prerequisite, see Extradepartmental 219.

**301 (2) Nineteenth Century Philosophy 1**

Major themes in the development of 19th century philosophy. A detailed study of Hegel, followed by study of reactions to Hegelianism as seen in the works of Marx, Kierkegaard, and Nietzsche. Open to juniors and seniors who have taken or are taking a Grade II course in the department, or by permission of the instructor.

MISS CONGLETON

**302 (1) Pragmatism and Naturalism 1**

An examination of works by the leading American pragmatists and of their influence on the development of a naturalistic world view in the philosophy of the 20th century. Prerequisite: same as for 301.

MRS. PUTNAM

**306 (2)\* Advanced Logic 1**

Discussion of the characteristics of deductive systems, e.g., consistency and completeness, development of a system of axiomatic abstract set theory, investigation of philosophical problems such as those presented by Gödel's theorem and by the axiom of choice. Prerequisite: 216.

MRS. PUTNAM

**311 (1) Kant 1**

Intensive studies in the philosophy of Kant with some consideration of his position in the history of philosophy. Open to juniors and seniors who have taken 2 units in philosophy including 207 or its equivalent, in future years, preferably 207 and 208, or by permission of the instructor.

MRS. STADLER

**312 (1) Phenomenology and Existentialism 1**

Central themes in contemporary European philosophy, from Husserl through Sartre and Heidegger. Open to juniors and seniors who have taken two Grade II courses in the department, in future years, preferably 207 and 208, or by permission of the instructor.

MRS. STADLER

**326 (1) Seminar****1**

Present-day problems in the Philosophy of Mind. Topic for 1970–71: Minds and Persons. Open to senior philosophy majors and by permission to other students who have had two units in philosophy above the Grade I level.

MISS ONDERDONK

**327 (2) Seminar****1**

Present-day problems in Ethics or Epistemology. Topic for 1970–71: The limits of objectivity: Ethics, Art, and Science. Prerequisite: same as for 326

MRS. STADLER

**338 (1) Seminar****1**

Political Philosophy. Topic for 1970–71: Philosophical problems in contemporary explanations of political behavior. Open by permission of the instructor to a limited number of qualified juniors and seniors.

MR. SHUE

**350 (1) (2) Research or Individual Study****1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Honors Research****2**

Required of all honors candidates in the department.

**Directions for Election**

Philosophy majors are expected to elect courses in at least two of the following fields: (1) logic or the philosophy of science; (2) history of philosophy, ancient or modern; and (3) value theory, i.e., moral or political philosophy or the philosophy of art. Students planning graduate work in philosophy are strongly advised to elect courses in all these three fields, and, in particular, logic.

In addition, students majoring in philosophy should develop a special competence either in the work of one major philosopher or in one problem of contemporary concern. Such competence may be demonstrated by passing a course on the 300 level with an honors grade, by 350 work, or by submitting a substantial paper. Special arrangements can be made for students with strong interdepartmental interests.

A knowledge of Greek, French, or German is desirable. Students planning graduate work in philosophy should acquire a reading knowledge of two of these languages.



## PHYSICAL EDUCATION

PROFESSOR: Spears (Director)

ASSISTANT PROFESSOR: Cochran

INSTRUCTORS: Schaadt, Staley, Bulling, Jordan,  
Shaynell, Batchelder, Mitchell, Parks

### 121 (1-2) Physical Education Activities

The instructional program in physical education is divided into four seasons, two each semester. To complete the college work in physical education a student must earn 8 credit points before the end of the junior year. Most activities give 1 credit point each season, but certain activities give 2 or more credit points as noted below. The activities offered in 1970-71 follow:

#### (1)

<u>Scheduled throughout the first semester</u>	Credit points
Life saving and aquatic safety	3
Modern dance as related to theatre	4
Self-defense	2
Water safety instructor	4



Season 1. Scheduled in first half of first semester  
 Archery, canoeing, crew, dance activities, field hockey, golf, horseback riding, independent program, individual exercise activities, soccer, swimming activities, tennis, volleyball      Each activity      **1**  
 Sailing      **2**

Season 2. Scheduled in second half of first semester  
 Badminton, basketball, bowling, dance activities, fencing, figure skating, gymnastics, horseback riding, independent program, individual exercise activities, motor learning, recreation field work, squash, swimming activities, trampoline, volleyball      Each activity      **1**  
 Scuba      **2**

(2)

Scheduled throughout the second semester  
 History of dance      **4**  
 Life saving and aquatic safety      **3**  
 Water safety instructor      **4**

Season 3 Scheduled in first half of the second semester  
 Badminton, basketball, bowling, dance activities, fencing, figure skating, gymnastics, independent program, individual exercise activities, motor learning, recreation field work, skiing, squash, swimming activities, trampoline, volleyball      Each activity      **1**  
 Recreation leadership, ski instructor      Each activity      **2**

Season 4. Scheduled in second half of second semester  
 Archery, canoeing, crew, dance activities, golf, horseback riding, independent program, individual exercise activities, lacrosse, motor learning, recreation field work, swimming activities, tennis, volleyball      Each activity      **1**  
 Sailing, tennis instructor      Each activity      **2**

### Directions for Election

Each student is expected to complete a minimum of two seasons a year until Physical Education 121 is completed. A student may elect a course in each half semester, a course which is scheduled throughout a semester, two courses concurrently, or may choose not to elect a course



during some seasons. Each activity is divided into courses to provide instruction in homogeneous classes. Complete descriptions of courses are sent to entering students. Special fees are charged for a few courses and are listed in the course descriptions.

Each student should select courses which meet her present and projected interests in physical activities. It is hoped that each student will gain knowledge of the relation of physical activity to the maintenance of general well-being; that she will achieve a level of ability, understanding, and participation in sports, dance, and/or exercise so that she may experience satisfaction and enjoyment; and that she will be able to swim with sufficient skill to participate safely in recreational swimming and boating.

A student's choice of activity is subject to the approval of the department and the College Health Service. Upon recommendation of a college physician and permission of the department a student may enroll in a modified program.

Students may continue to enroll in physical education after Physical Education 121 is completed. Members of the faculty may elect activities with the permission of the department.

PHYSICS 100 (1) Basic Concepts in Physics 1  
PHYSICS 101 (2) Introduction to Physical Thought 1

Unless otherwise noted all courses meet for two periods of lecture and discussion weekly and all Grade I and Grade II courses have one three-hour laboratory appointment weekly.

**100 (1) Basic Concepts in Physics 1**

Forces, fields, conservation laws, waves, atomic structure. Open to students who are not eligible for 103 or 105. Two periods weekly with a third period every other week. Three and one-half hour laboratory appointments on alternate weeks.  
MISS FLEMING

**101 (2) Introduction to Physical Thought 1**

Discussion of the fundamental laws of classical and modern physics with emphasis on basic concepts. The nature of laws and theories. The relationship between experimental and theoretical methods of investigation. Open to all students without prerequisite. Two periods weekly with a three-hour laboratory appointment every other week.  
MRS. GUERNSEY



**103 (1) Fundamental Physics 1**

Same topics as 100. Open to students who offer physics for admission and who are not eligible for 105. Two periods weekly with a third period every other week.

MR. ZORNBERG

**105 (1) Mechanics 1**

Elementary mechanics with emphasis on rotational motion; wave motion; introduction to special relativity and atomic structure. Open to students who have completed Mathematics 111, or to students who offer physics for admission and are taking Mathematics 111. Two periods weekly with a third period every other week.

MRS. GUERNSEY

**106 (2) Intermediate Physics 1**

Further development of selected topics in physics. Emphasis on wave phenomena, optics, and electric circuits. Prerequisite: 100 or 103 or 105, and Mathematics 110. Two periods weekly with a third period every other week.

MISS BROWN

**200 (2) Modern Physics 1**

Basic principles of relativity and quantum theory, and of atomic and nuclear structure. Prerequisite: [104] or 105 or 106. Prerequisite or corequisite: Mathematics 111.

MISS DODSWORTH

**201 (2) Electricity 1**

Fundamental laws of electric and magnetic fields; electric circuits; electric and magnetic properties of matter. Prerequisite: [104] or 105 or 106, and Mathematics 111.

MRS. GUERNSEY

**202 (1) Optical Physics 1**

Wave theory as applied to optical phenomena. Interference, diffraction, birefringence, polarization, dispersion. Introduction to modern optics including lasers and holography. Prerequisite: same as for 201.

MISS BROWN

**206 (1)\* Electronics 1**

Fundamental principles of electron tubes and transistors; application to power supplies, amplifiers, oscillators, mod-



ulators. Introduction to nonlinear electronic circuits. Prerequisite: 201. NOT OFFERED in 1970-71.

MRS. GUERNSEY

**216 (1) Applications of Mathematics in the Physical Sciences I 1**

For description and prerequisite, see Extradepartmental 216. MISS DODSWORTH

**217 (2) Applications of Mathematics in the Physical Sciences II 1**

For description and prerequisite, see Extradepartmental 217. MISS DODSWORTH

**301 (1) Quantum Mechanics 1**

Interpretative postulates of quantum mechanics; solutions to the Schroedinger equation; operator theory; perturbation theory; scattering; matrices. Prerequisite for 1970-71: 217 or Mathematics [201] or [204] or 208. For 1971-72: 310 or Mathematics 210. In addition one term of Grade II physics or permission of the instructor. Physics 306 is recommended. MISS BROWN

**302 (2)\* Introduction to Solid State Physics 1**

Crystal structure; energy-band theory of metals, insulators, and semiconductors; ferro-, dia-, and paramagnetism. Prerequisites: 200, 201, 301, and 305, or permission of the instructor. NOT OFFERED IN 1970-71. MR. ZORNBERG

**303 (2)\* Nuclear Physics 1**

Static properties of atomic nuclei. Properties of charged particles, neutrons, and gamma rays; their interactions with matter. Natural and artificial radioactivity. Nuclear reactions. Prerequisite: 301. NOT OFFERED IN 1970-71.

**304 (2) Electromagnetic Theory 1**

Maxwell's equations; electromagnetic waves and radiation; physical optics. Prerequisite: 201 and 306. MISS BROWN

**305 (1)\* Thermodynamics 1**

The laws of thermodynamics; kinetic theory of gases; statistical mechanics. Prerequisite: [104] or 105 or 106, and 217 or Mathematics [201] or [204] or 208.

MR. ZORNBERG



**306 (1) Advanced Mechanics 1**

A vector analytical presentation of Newtonian mechanics; introduction to Lagrangian and Hamiltonian mechanics. Prerequisite: same as for 305.

MISS DODSWORTH

**309 (1) (2) Advanced Experimental Physics 1**

Fundamental experiments selected from different areas of physics. Two laboratory appointments per week. Open by permission of the instructor. Offered in both semesters, given in only one.

MRS. GUERNSEY

**310 (2) Mathematical Physics 1**

Mathematical techniques used in quantum mechanics; solutions to the wave equation; Bessel functions and Legendre polynomials; eigenvectors and eigenvalues; introduction to Green's functions and or group theory; complex variables. Prerequisite: 217 or Mathematics 208.

MR. ZORNBERG

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

A major in physics should ordinarily include 201, 202, 301, 304, 306, and 310; 217 or Mathematics [201] or [204] or 208 is an additional requirement. One unit of another laboratory science is recommended.

A reading knowledge of two of the following languages is desirable for students planning to attend graduate school: French, German, Russian.

Premedical students are referred to the requirements given on p. 56.

**Exemption Examination**

An examination for exemption from Physics 105 is offered to students who present one admission unit in physics. Students who pass this examination will be eligible for Grade II work in physics. No unit of credit will be given for passing this examination.

PROFESSORS: Stratton, Evans  
 ASSOCIATE PROFESSORS: Phibbs, Miller, Schechter  
 (Chairman)  
 ASSISTANT PROFESSORS: Stettin, Rosenbaum,  
 Schelling, Juss  
 LECTURER: Cline  
 CLERICAL: [illegible]  
 TUTOR: [illegible]

#### 100 (1) (2) Introduction to Political Science 1

Analysis of the concept of political power and the distribution of political power on several levels of political life: urban, national, and international. General lectures given by various members of the staff will illustrate the primary aspects of the study of politics at each of these levels. Small discussion sections will focus upon individual topics related to the theme of the course, such as reform and revolution, racial conflict, democracy in crisis, nationalism, and imperialism. Open to all students. THE STAFF

#### 150 (1) (2) Colloquia 1

For directions for applying, see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

##### (1)

##### Contemporary Criticisms of American Democracy.

An examination of American democracy in terms of traditional democratic concepts. Mr. GIBBONS

(2)

(a) Utopia: The Quest for the Ideal Society. An investigation of the nature of the "perfect" state based on selected Utopian novels and related criticism. MR. SEDERBERG

(b) The Rulers and the Ruled: Problems in a Democratic Society. Study of the selection and functions of leaders, the efficacy of the democratic model, communication between leader and mass, the process of representation, and the impact of modern technology on the leader-follower relationship. MRS. JUST



**200 (1) (2) Comparative Politics of the Developing Areas 1**

Study of selected aspects of African, Asian and Latin American political systems, with emphasis upon use and evaluation of analytical concepts in recent literature; political change, national integration, and legitimization among problems considered. Prerequisite: Grade I course in political science or 2 units in economics, history, psychology, or sociology. MR. SEDERBERG

**202 (1)\* Classical and Medieval Political Thought 1**

Study of political theories and doctrines of selected classical, medieval, and early modern writers such as Plato, Aristotle, Cicero, St. Augustine, St. Thomas Aquinas, Machiavelli, Luther, Calvin, and Hooker. Writings are considered in their historical context and for their relevance to modern political analysis. Prerequisite: Grade I course in political science or 2 units in economics, history, philosophy, psychology, or sociology. NOT OFFERED IN 1970 71 MR. STETTNER

**203 (2) Modern and Contemporary Political Thought 1**

Study of political theories and doctrines from the 17th century to the present. Among the theorists studied are Hobbes, Locke, Hume, Rousseau, Burke, Mill, Hegel, Marx, and representatives of contemporary schools and ideologies. Writings are considered in their historical context and for their relevance to political analysis. Prerequisite: same as for 202. MR. STETTNER

**205 (1) Comparative Government: 1**  
**Western Europe**

Analysis of European political regimes including West Germany, Italy, France, and the United Kingdom with reference to constitutional traditions, party systems, interest groups, parliaments, political executives, and bureaucracies. Examination of key problems facing representative government. Prerequisite: same as for 200. MRS. JUST

**207 (1) Comparative Government: 1**  
**Latin America**

Study of politics in selected Latin American states including Argentina, Brazil, Chile, and Mexico, treating dynamics of power, development, reform and revolution, foreign policy, and factors underlying policy formation. Prerequisite: same as for 200; by permission to qualified students who have taken Spanish. NOT OFFERED IN 1970-71.

MR. ROSENBAUM

**209 (2) Political Systems of Subsaharan Africa 1**

An examination of the problems of decolonization, national integration, and mobilization in selected African states, including Ghana, Nigeria, Ivory Coast, Tanzania, and the Congo (Kinshasa). Prerequisite: same as for 200.

MR. SEDERBERG

**210 (1) (2) American Parties and 1**  
**Interest Groups**

Analysis of the role of extragovernmental political organizations in the American political process. Organization, operation, and evaluation of political parties and interest groups; recruitment of leaders; elections and behavior of the electorate; influences on public policy formation. Prerequisite: same as for 200. (1) MRS. JUST

(1) (2) MR. SCHECHTER

**211 (2) Policy-Making in the Federal 1**  
**Government**

Study of the President and other members of the presidency, political and career executives in the bureaucracy, and members of Congress and their staffs; formal and informal organization; emphasis upon relationships across organizational lines and influences upon behavior. Prerequisite: same as for 200.

MR. GIBBONS



**221 (1) (2) World Politics 1**

An introduction to the international system with emphasis on contemporary theory and practice. Analysis of historical antecedents, bases of power and influence, and modes of accommodation and conflict resolution. Prerequisite: same as for 200. MISS MILLER

**222 (2) Comparative Foreign Policies: Western Europe 1**

An analysis of Western Europe in world politics, with emphasis upon the roles of Great Britain, France, and Germany. The course will explore (1) the interplay of social, political, economic, and military factors shaping the content of national foreign policies and processes of regional integration and (2) the restraints and choices confronting policymakers and elites in relationships with the United States, the Soviet Union, Eastern Europe, and the developing countries. Prerequisite: same as for 200. NOT OFFERED IN 1970-71. MISS MILLER

**223 (1) (2) Urban Politics 1**

An introduction to contemporary urban political problems emerging from racial politics, redevelopment, community organization and action programs, poverty law and law enforcement, intergovernmental relations, and national urban policy. Some consideration of comparable issues in the United Kingdom and other megalopolitan areas abroad. Seminar sessions and case studies conducted by specialists in urban politics. Open to sophomores who have had 2 units in political science, economics, sociology, or history, and to juniors and seniors without prerequisite.

MR. ATKINS

**249 (2) Research Methods in Political Science 1**

Discussion of conflicting views toward the utility of behavioral research techniques in the study of politics, followed by reading of selected empirical studies which have made a major contribution to political science. Analysis of modern survey research methods including development and testing of hypotheses, questionnaire construction, interviewing, field work, and quantitative analysis. To gain experience with modern research methods, the class will conduct an original research project. Designed primarily for junior majors. Prerequisite: Grade II or III course in political science; previous knowledge of statistics and computers not required. MRS. JUST

**302 (1)\* American Political Thought 1**

An examination of political theories and doctrines which have been developed in the United States with a view toward determining their adequacy as descriptions of, and prescriptions for, American politics. Special emphasis given to the period of the framing of the Constitution, the Progressive Era, and to contemporary political beliefs and problems. Open to students who have taken a Grade II course in political science, economics, history, philosophy, psychology, or sociology; by permission to other qualified students. MR. STETTNER

**303 (2) Systematic Political Theory 1**

Examination of several important political concepts, such as power, authority, justice, freedom, democracy, equality, and obligation; their diverse meanings and values and how these vary under liberalism, Marxism, and other ideologies. Readings primarily from contemporary sources. Open to students who have taken a Grade II course in political science, history, or philosophy; by permission to other qualified students. MR. STETTNER

**306 (2) Comparative Government: 1  
South and East Asia**

The study of national and international politics in Asia with particular reference to India, China, and Japan. Special attention will be given to the theory of politics in the national setting of these three countries and in the special context of Asian international relations. Stress upon the impact of society, culture, and modernization upon politics and governmental institutions. Open to students who have taken a Grade II course in political science or History 225 and 227, and by permission of the instructor to other qualified students. MRS. OJHA

**308 (1) Comparative Government: 1  
The Soviet Union and Eastern Europe**

Study of politics and government in the Soviet Union and East European satellites: the interrelationship of ideology and power, leadership, political institutions, and policy formation. Open to juniors and seniors who have taken a Grade II course in political science or History 209 or 313, and by permission of the instructor to juniors and seniors emphasizing Russian language and history.

MR. SEDERBERG

**310 (1) Political Decision-Making in the United States 1**

Analysis of the policy-making process based on simulation of decision-making in executive, legislative, and/or judicial units at different levels of government in the United States. Four or five nationally important questions considered with all class members playing roles as advocates, witnesses, decision-makers, or analysts; evaluation of role-playing and extent to which relevant considerations are taken into account in reaching decisions. Open to students who have taken 210 and 211, and by permission of the instructor to qualified juniors and seniors who have had only one of these courses.

MR. GIBBONS

**321 (1) Foreign Policy Analysis: The United States 1**

An analysis of American foreign policy in the postwar era. Readings will include general critiques and case studies designed to illuminate both the processes of policy formulation and the substance of policies pursued. Individual research and student reports. Prerequisite: some work in international relations or American history.

MISS MILLER

**322 (2) Studies in International Relations 1**

Selected topics in world politics. Individual research and student reports. Focus in 1970-71: Theories of political leadership with attention to the interaction of psychology and politics. Open to students who have taken 221.

MISS MILLER

**330 (1) (2) Law and the Administration of Justice 1**

An introduction to the nature and functions of law; the adversary system; methods of legal development based upon an analysis of selected problems in contract, tort, and criminal law; comparison of common law and civil law systems; relation of law and politics. Open to students who have taken a Grade II course in political science, economics, history, philosophy, psychology, or sociology, and by permission of the instructor to sophomores. Recommended for students who are planning to take 331 or 332.

MISS EVANS



**331 (1) The International Legal Process 1**

Functions of law and legal institutions in the international political system, considering such matters as protection of individual rights; international criminal responsibility; domestic remedies against international wrongs; controls of uses of sea and aerospace; settlement of disputes; methods of improving compliance with international law. Selected current legal issues treated in moot court practice. Open to students who have taken 330 or 2 units in international relations; by permission to other qualified students.

MISS EVANS

**332 (2) The Supreme Court in American Politics 1**

Analysis of major developments in constitutional interpretation, the conflict over judicial activism, and current problems facing the Supreme Court; judicial review, the powers of the President and of Congress, Federal-State relations, and individual rights and liberties. Selected current legal issues treated in moot court practice. Open to juniors and seniors who have taken 210 or 211, and by permission of the instructor to juniors and seniors who have taken other courses in political science and/or American history.

MR. SCHECHTER

**336 (1) Seminar 1**

Advanced intensive study of one problem or a series of related problems. Open by permission to juniors and seniors who have taken 4 units in political science. As enrollment is limited, a student should file an application with the instructor.

MRS. JUST

**337 (1) Seminar 1**

Advanced intensive study of one problem or a series of related problems. Topic for 1970–71: Environmental politics in metropolitan areas. Prerequisite: same as for 336.

MR. SCHECHTER

**338 (2) Seminar 1**

Advanced intensive study of one problem or a series of related problems. Topic for 1970–71: American foreign policy decision-making. Prerequisite: same as for 336.

MR. GIBBONS



**339 (2) Seminar 1**

Advanced intensive study of one problem or a series of related problems. Topic for 1970-71 : Poverty and the law. Prerequisite : same as for 336.

MISS EVANS

**340 (2) Senior Major Seminar 1**

NOT OFFERED IN 1970-71.

**349 (1) Politics of Environmental Control 1**

Study of selected environmental problems with reference to governmental institutions, groups, and ideologies which promote or inhibit the development of governmental policies in respect to environmental control. Open to students who have taken 210, 211, or 223 ; by permission to other qualified students. NOT OFFERED IN 1970-71

MR. STRATTON

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

A major in political science includes one course at the Grade I level and a course above the Grade I level in at least three of the following fields: American government and politics, comparative government and politics, international politics, political theory, and public law. A major may be broad in scope, or it may have a special focus, e.g., metropolitan regional problems, Asian, European, or Latin American area studies, international relations, or political ethics, based upon selected courses and independent research.

Graduate work in political science leading to the Ph.D. usually requires a reading knowledge of two foreign languages and, for many specialties, a knowledge of statistical techniques or an introduction to the calculus.

A student participating in the Wellesley Washington Summer Internship Program may arrange with the director to earn credit for independent study. (See p. 33.)

## PERSONNEL

PROFESSORS: Alpe, Zimmerman<sup>a</sup>

ASSISTANT PROFESSORS: Furumoto, Gromer  
(Chairman), Dickstein, Parlee, Schiavo, Schnitzer

INSTRUCTORS: Babad, Gottlieb<sup>4</sup>, Kinney, Morse,  
Schiffenbauer

LECTURERS: Stiver<sup>5</sup>, Fox<sup>5</sup>

VISITING PROFESSOR: Fernald

### **101 (1) (2) Introduction to Psychology 1**

Study of selected research problems from areas such as personality development, learning, and cognition to demonstrate ways in which psychologists study behavior. Open to all students. MR. FERNALD

### **201 (1) (2) Psychological Statistics 1**

Training in the use of statistical techniques as they have been adapted to the handling and evaluating of representative types of psychological data. Emphasis on developing an understanding of the possibilities and limitations of the use of statistics in psychology. Prerequisite: 101.

MR. SCHIFFENBAUER

**207 (1) (2) Child Psychology 1**

The behavior of normal children. A survey of experimental and clinical studies with special emphasis on theory and research in the area of parent-child relationships. Two periods of lecture and one of discussion. Prerequisite: 101.  
(1) MR. KINNEY (2) MRS. ALPER

**207R (1) (2) Research Methods in Child Psychology 1**

An introduction to research methods appropriate to the study of child psychology. Individual and group projects. Laboratory. Each section typically limited to 10 students. Prerequisite: 101 and 207 (207 may be taken concurrently). Not open to students who have taken or are taking [200], 212R, or 210R. (1) (2) MRS. FOX (2) MR. KINNEY

**209 (1) (2) Experimental Psychology 1**

Selected experiments in various fields of psychological investigation with emphasis on learning, perception, and memory. Training in experimental method using animal and human subjects. Laboratory. Prerequisite: 101.  
MRS. PARLEE

**210 (1) (2) Social Psychology 1**

The individual's behavior as it is influenced by other people and the social situation. Study of social influence, interpersonal perception, social evaluation, and various forms of social interaction. Prerequisite: 101.  
MR. SCHIAVO

**210R (2) Research Methods in Social Psychology 1**

An introduction to research methods appropriate to the study of social psychology. Individual and group projects on selected topics. Laboratory. Each section typically limited to 10 students. Prerequisite: 101 and 210 (210 may be taken concurrently). Not open to students who have taken or are taking [200], 207R, or 212R.  
MR. SCHIAVO

**212 (1) (2) Personality 1**

Selected theories of personality as applied to the normal





individual. Some emphasis on relation of theories to selected topics and/or case studies. Prerequisite: 101.

(1) MR. BABAD, MR. DICKSTEIN

(1) (2) MR. MORSE

(2) MR. CROMER

## **212R (1) (2) Research Methods in Personality 1**

An introduction to research methods appropriate to the study of personality. Individual and group projects. Laboratory. Each section typically limited to 10 students. Prerequisite: 101 and 212 (212 may be taken concurrently). Not open to students who have taken or are taking [200], 207R, or 210R.

MR. BABAD, MR. DICKSTEIN

## **217 (2) Cognitive Processes 1**

Selected issues in reasoning, problem-solving, concept attainment, and memory. Emphasis will be upon experimental research with adults. Prerequisite: 101.

MR. DICKSTEIN

## **218 (1) Perception 1**

Experimental and theoretical approaches to selected topics in perception, including space, form, motion; perceptual development; role of personality variables in perception. Some physiology of the sense organs. Prerequisite: 101.

MRS. PARLEE

## **219 (1) Learning 1**

Basic problems and research findings at the human and animal levels. Among topics studied: schedules and parameters of reinforcement, discrimination, generalization, conditioned reinforcement, and behavior correlated with negative reinforcement. Prerequisite: 101.

MISS GOTTLIEB

## **300 (1) Seminar 1**

Topic for 1970-71: Intelligence. An introduction to basic issues in the psychology of intelligence. Topics include definitions of intelligence, the administration and interpretation of the Wechsler Adult Intelligence Scale, the heredity-environment controversy, and the relationship of intelligence to personality. Open by permission to juniors and seniors who have taken 101 and at least 2 units of Grade II.

MR. DICKSTEIN

**303 (1) (2) The Psychology of Women 1**

Consideration of some of the changing patterns in the behavior of women, including some relevant literature in the area of sex differences. Findings based on empirical research as well as on the case study approach will be emphasized. Open to juniors and seniors who have taken 101, and at least two units of Grade II, including 212.

- (1) MRS. ALPER
- (2) MRS. SCHNITZER

**306 (2) Seminar 1**

Topic for 1970–71: The psychology of peace. The biological and social bases of aggression and war; altruism and peace; intergroup prejudice and conflict; philosophy of nonviolent resistance. Prerequisite: same as for 300.  
MR. KINNEY

**307 (1) Seminar. Adolescence 1**

Theory and research concerning adolescent personality and behavior development. Attention to the unique aspects of this age, to its precursors and sequelae, to its variations in different societies and social classes. Some examination of pathological as well as normal development. Open by permission to juniors and seniors who have taken 101 and at least 2 units of Grade II, including either 207 or 212 or both.  
NOT OFFERED IN 1970 71  
MR. KINNEY

**309 (1) (2) Abnormal Psychology 1**

Consideration of major theories of neurosis and psychosis. Illustrative case materials. Selected issues in prevention and treatment of emotional problems. Open to juniors and seniors who have taken 101 and at least 2 units of Grade II, including either 207 or 212 or both.  
(1) MR. CROMER  
(2) MRS. STIVER

**310 (1) (2) Group Dynamics 1**

The course involves participation in an unstructured group for the purpose of examining group processes such as leadership, influence, group norms, decision making and intergroup relations. Focus on the interaction between individual behavior and group phenomena. Open by permission of the instructor to juniors and seniors who have taken 101 and at least 2 units of Grade II work in one or both of the following: psychology, sociology and anthropology.  
MR. BABAD

**311 (1) Seminar. Social Psychology 1**

Topic for 1970-71: Person perception. The perception of other people as the basis of social psychological phenomena. How impressions of other people are formed, maintained, and changed. How do we infer another person's motives, emotions, and personality from his behavior? Do the same processes operate when we infer our own motives, emotions, personality? Open by permission of the instructor to juniors and seniors who have taken 101 and at least 2 units of Grade II including 210.

MR. SCHIAVO

**312 (2) Seminar 1**

Topic for 1970-71: The psychology of crowd behavior. Psychological factors creating and sustaining crowd behaviors by human beings and lower animals. Some attention to riots. Prerequisite: same as for 300.

MR. SCHIFFENBAUER

**317 (1) Seminar. Cognitive Development and Education 1**

Examination of controversial issues in education from the point of view of current theory and research in cognitive development. Aim will be to formulate and investigate problems relevant to both fields; one example: the relative effectiveness of "learning by doing" vs. learning by listening. Prerequisite: same as for 300. NOT OFFERED IN 1970-71

**318 (2) The Psychology of Language 1**

Problems in the psychology of language, including theories of language and its acquisition, speech perception, the relation between language and thought. Some consideration of communication in sub-human species. Open to students who have taken 101 and at least 2 units of Grade II, or by permission of the instructor.

MRS. PARLEE

**325 (1) History and Systems of Psychology 1**

The history of selected topics, issues, and systems in psychology with emphasis on reading of primary sources. Among the topics treated: the mental testing movement and the study of individual differences; the concepts of the reflex and of association. Among the systems treated: Gestalt psychology, behaviorism, and functionalism. Prerequisite: same as for 300. NOT OFFERED IN 1970-71



**327 (1) (2) Seminar. Child Psychology 1**

The relationship between achievement motivation and learning in children with special emphasis on the antecedents and consequences of some selected patterns of achievement motivation. Open by permission of the instructor to juniors and seniors who have taken 101 and at least 2 units of Grade II including 207 and 212.

MRS. ALPER

**330 (1) Seminar 1**

Topic for 1970-71: The psychology of urban ecology. The effect of the man-made environment on man's social and psychological life. Population density, roads and barriers, housing, noise, privacy. Various urban plans and the life styles they would foster. Prerequisite: same as for 300.

MR. SCHIFFENBAUER

**349 (2) Seminar 1**

Topic for 1970-71: Psychology and the law. The contributions that psychology has to offer to the law as an instrument of social engineering. This seminar will study the following four problem areas in which psychological and legal issues overlap: criminal behavior, juvenile delinquency, family problems, and mental illness. Prerequisite: same as for 300.

MR. MORSE

**350 (1) (2) Research or Independent Study 1 or 2**

Open by permission of the department chairman to qualified juniors and seniors.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

A major in psychology must include 101; **one** of the following: 207, 210, 212; and **one** of the following: 217, 218, 219. The department offers five courses in research methods: 201, 209, 207R, 210R, 212R. A major in psychology must include at least **two** of these five methods courses. Students should note that only one R course may be elected.

## RELIGION AND BIBLICAL STUDIES

PROFESSORS Lacheman, Gale, Denbeaux, (Crisman)  
Mowry  
ASSOCIATE PROFESSOR Johnson  
ASSISTANT PROFESSORS Vanderpool, Green  
LECTURERS Santmire, Wallwork

### **104 (1) Studies in the Old Testament 1**

Selective study of historical, wisdom, prophetic and apocalyptic literature from the Old Testament. Introduction to the method of literary and historical criticism. Consideration of the Biblical tradition in its relation to the individual and society. Open to all students. THE STAFF

### **105 (2) Studies in the New Testament 1**

Consideration of the Christian literary genres of gospel, epistle, and apocalypse as reflective of Jesus of Nazareth and of the early Christian faith and social order. Reference to relevant Jewish literature from the early Christian period. Open to all students. MR. GALE



**106 (1) Introduction to the Study of Religion 1**

An examination of the major religious traditions of the West; the introduction and use of analytical methods which illumine the nature and function of religion. Readings in literature selected from the history of Judaism, Orthodoxy, Catholicism, and Protestantism. Lectures and discussion sections. Open to all students. MR. GALE

**107 (2) Religion in the Modern Western World 1**

An examination of selected interpretations of religion developed from the Enlightenment to the present. Criticisms and reconstructions of western religious traditions in relation to formative social and intellectual movements. Readings include works of Darwin, Teilhard de Chardin, Marx, Reinhold Niebuhr, Freud, and Tillich. Lectures and discussion sections. Open to all students. THE STAFF

**150 (1) (2) Colloquia 1**

For directions for applying, see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

(1)

a The contemporary dialogue between Christianity and Marxism. A study of the Marxist critique of the social function of religion and evaluation of various Christian positions on the role of religion in social change. Readings in Marx, Catholic writings, Chinese Christian Communists, religious anti-Communist literature, and the "theology of revolution." The colloquium procedure includes student leadership and independent research. MR. GREEN

(2)

a. The archaeology of the ancient Near East. A study of archaeological evidence concerning the rise of civilization in the ancient Near East. The first appearance of cities in Anatolia, Mesopotamia, Palestine, and Egypt; their development as centers of civilization; the influence of these civilizations on the birth and rise of western civilization. MR. LACHEMAN



b. An examination of modern psychological theories of religion. From Freud to Norman O. Brown, Erik Erikson, Claude Levi-Strauss, and Robert Bellah. Beginning with a close examination of certain key passages in Freud, the colloquium will explore the foundations for an adequate theory of religion in contemporary psychological literature. Some attention given to the relationship between modern psychological theories of religion and contemporary theology. MR. WALLWORK

**203 (1-2) Classical Hebrew**

**2**

The elements of Biblical Hebrew grammar, syntax, and vocabulary. Readings of selections from the Old Testament. Open by permission of the instructor. MR. LACHEMAN

**204 (1) The Beginnings of Christianity**

**1**

A study of the emergence of the Christian movement with special emphasis upon those experiences and convictions which determined its distinctive character. Intensive analysis of the thought of the Apostle Paul. Some study of other New Testament documents, especially the *Gospel of John*, and of non-canonical materials pertaining to the Christian Church of the first and second centuries. Prerequisite: 105. MR. GALE

**206 (1) The Renewal of Judaism in the Post-Exilic Period**

**1**

Prophetic and priestly responses to the crises in Judaism from the exile to the first century B.C. Prerequisite: 104. MR. LACHEMAN

**208 (1) (2) Christian Ethics**

**1**

A study of texts selected from the history of western ethics. Focus on Christian sources in relation to their critics in classical and contemporary periods. Open to freshmen and sophomores who have taken one course in the department and to juniors and seniors without prerequisite. MR. JOHNSON

**212 (1) Sociology of Religion**

**1**

For description and prerequisite, see Sociology 212.

**213 (2) Judaism from Philo to Spinoza**

**1**

The history of Judaism in its relation to the Graeco-



Roman world, Christendom and Islam. Reading (in translation) of significant portions of Talmudic, Midrashic, poetic, and speculative literatures. Prerequisite: 104 or 106.

MR. LACHEMAN

**216 (1) The Formation of Classical Christian Thought 1**

The interaction of Biblical and Graeco-Roman traditions in the career of Christian thought from the Church Fathers through the Middle Ages. Study and evaluation of formative writings, including Augustine and Aquinas, in light of their historical settings and their legacy in the present. Prerequisite: same as for 208.

MR. GREEN

**217 (1) Protestantism 1**

Intellectual and social dimensions of Protestantism from Luther to the present. The origins of the major traditions. Social and scientific developments which effected change. Readings from Luther, Calvin, Fox; Coleridge and romanticism, Darwinism and biblical criticism, Marx and Christian socialism. Prerequisite: same as for 208.

MR. VANDERPOOL

**218 (2) American Religious History 1**

An examination of American religious traditions from the Colonial beginnings to the present. Special attention to the interaction of religion with political, social and intellectual history and to the diverse origins, conflicts, and contributions of Protestant groups, sects, Roman Catholicism, and Judaism. Open to freshmen and sophomores who have taken one course in the department or in American history, and to juniors and seniors without prerequisite.

MR. VANDERPOOL

**219 (2) Contemporary Christian Thought 1**

An examination of formative developments in contemporary Protestant and Catholic thought, studying the contributions to the understanding of God and man by such theologians as Barth, Bonhoeffer, Rahner and Bultmann. Prerequisite: same as for 208.

MR. GREEN

**225 (1) Israel and Her Neighbors 1**

A study of the common patterns of thought and religion in the ancient Near East, and their relation to Israel's religion as reflected in archaeology and literature. Prerequisite: 104. NOT OFFERED IN 1970-71

MR. LACHEMAN

**228 (1) Race, Religion, and Social Change 1**

Analysis of the black man's religion in the context of American society and culture including its relation to the tradition of social protest. Consideration of the influence of such leaders as Frederick Douglass, W. E. B. DuBois, Malcolm X, Martin Luther King, Jr. Open to students who have taken one course in the department or in sociology or anthropology. NOT OFFERED IN 1970-71

MR. WILLIAMS

**249 (2) Theatre, Rite, and Religion 1**

Readings and discussions of plays and religious texts from several historical periods and cultures. Attendance at and involvement in selected productions and liturgical experiments in the Boston area. Same course as Theatre Studies 249. Limited to 20 students with the permission of the instructors.

MR. SANTMIRE AND MR. BARSTOW

**251 (1) (2) Hinduism 1**

A study of two aspects of Hinduism: (1) the multiple suggestions (devotional, popular, legal, philosophical, and mystical) offered to questions about ultimate reality, the world, and man in the most influential periods of Hinduism, and (2) its relation to minority groups (Buddhist, Jaina, Moslem, Zoroastrian or Parsi, Nestorian Christian, Sikh, and Jewish) in a pluralistic religious society. Prerequisite: 106 or permission of the instructor.

MISS MOWRY

**252 (1) Islam 1**

A study of the major periods of Islam from its origin to the present including the Black Muslim movement in the United States. Emphasis upon readings in Islamic texts: The Koran, and the writings of Moslem theologians, philosophers, and mystics. A consideration of modern re-evaluation and reform in the Middle East, India, Southeast Asia, and Africa. Prerequisite: 104 or permission of the instructor.

MISS MOWRY

**253 (2) Buddhism and East Asian Religions 1**

An examination of Buddhism as a distinct religious phenomenon; its interaction with the indigenous religions of East Asia; and its contributions to the social institutions and culture of China and Japan. Readings in early Buddhism, Confucianism, Taoism, Zen, and Shinto myths and legends. Prerequisite: same as for 251.

MR. JOHNSON



**256 (2) Studies in Urban Religion 1**

An analysis and evaluation of the life and the role of the religious community in contemporary urban society: symbol systems, moral axioms, and the individual collective action roles. Readings in historical and contemporary literature dealing with urban religious life and institutions. Case studies in urban religious projects by members of the class. Prerequisite: same as 208. MR. WALLWORK

**305 (2) Seminar. History of Religions 1**

An intensive study of one problem or set of related problems in the history of religions with readings in relevant religious sources. Topic for 1970–71: The significance of mystical experience for the authors of the *Fourth Gospel*, *The Lotus of the Wonderful Law* (Buddhist), *The Tiruvacagam* (Hindu), and the *Book of Fear and Hope* (Muslim). Prerequisite: two of the following: 204, 251, 252, 253; or permission of the instructor. MISS MOWRY

**306 (2) Seminar. The Old Testament 1**

A systematic study of important religious ideas of the Old Testament. Prerequisite: 206. MR. LACHEMAN

**307 (2) Seminar. The New Testament 1**

An intensive study of selected New Testament issues. Prerequisite: 204. MISS MOWRY

**311 (1) (2) Theology and Its Expression in Literature 1**

The relation of theology and imagination. A study of the employment of religious symbols by such writers as Dostoevski, Faulkner, Kafka, and Unamuno. Open to students who have taken one course in the department and one Grade II course in literature. MR. DENBEAUX

**312 (1) Seminar. Classical Christian Thought 1**

An intensive study of a problem or set of related problems with readings in Patristic, medieval, or Reformation sources. Topic for 1970–71: Nature and Creation, man in his environment in selected classical Christian writings. Prerequisite: 216 or permission of the instructor. MR. JOHNSON

**315 (1) Seminar. Theology in Crisis 1**

An examination of the ways in which modern theology

responds to the insights, criticisms, and autonomous disciplines of the non-theological world. Jewish and Christian thinkers to be considered. Prerequisite: permission of the instructor. MR. DENBEAUX

**316 (1) Seminar. Christian Ethics 1**

Topic for 1970-71: Ethics and ecology. Studies in religious views of nature from Newton to the present. Prerequisite: 208. MR. SANTMIRE

**317 (2) Kierkegaard 1**

An examination of the writings of Soren Kierkegaard in relation to their theological, philosophical, and cultural origins. Open to juniors and seniors who have taken a Grade II course in the department or Philosophy [208]. MR. DENBEAUX

**350 (1) (2) Research or Individual Study 1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

The total program of the major in Religion and Biblical Studies shall be prepared in consultation with the adviser so as to provide for an appropriate balance between specialization and diversity.

Specialization shall include a sequence of courses in at least one particular field of study. Diversity is fulfilled by electing some work within the department outside the field of specialization.

Freshman and sophomores considering a major are encouraged to elect introductory courses appropriate to their special field of interest; information is available in the department office. Students planning to pursue studies in the Twelve College Exchange Program as part of their major should consult with their department adviser; several of the Twelve College religion departments offer courses which could supplement and enrich a Wellesley major in Religion and Biblical Studies.

Studies in the original language are particularly valuable for students specializing in Old Testament or New Testament; see Religion 203 (Hebrew) and Greek 100 (Beginning Greek).



**100 (1-2) Elementary Russian 2**

Grammar, oral and written exercises, reading of short stories. Three periods.

MRS. LYNCH, MISS PACALUYKO

**200 (1-2) Intermediate Russian 2**

Reading with emphasis on vocabulary building; review of grammar; composition and oral expression. Selected readings in classical and modern Russian literature, and in Russian history and culture. Prerequisite: 100 or its equivalent.

MISS PACALUYKO

**201 (1) Russian Literature in Translation I 1**

Russian literature from its beginnings to the middle of the 19th century. The focus of the course is on the major prose of the first half of the 19th century. The authors to be considered include Pushkin, Lermontov, Gogol', Goncharov, Turgenev, and Dostoevsky. Open to juniors and seniors or by permission of the instructor. MRS. O'CONNOR

**202 (2) Russian Literature in Translation II 1**

Russian literature from the second part of the 19th century to the present with emphasis on the works of Tolstoy, Chekhov, Sologub, and such Soviet writers as Babel, Olesha, Pasternak, and Bulgakov. Open to juniors and seniors. MRS. O'CONNOR

**249 (2) Introduction to Language 1**

Its history, theory, logic, and its application to Russian. General laws of phonology, syntax, and grammatical categories. Conducted predominately in English. Student's interest in more than one foreign language encouraged. Prerequisite or corequisite : 200 or permission of the instructor. MRS. LYNCH

**300 (1-2) Advanced Russian 2**

Studies in the structure of the Russian language. Reading of literary and historical works. Regular written and oral reports on individual selected topics. First semester may be taken independently. Prerequisite : 200. MRS. LYNCH

**311 (1)\* Russian Literature from Its Beginnings to Pushkin 1**

Discussion of the Byzantine, western, and folk influences in the chronicles and epics of the Kievan and Moscovite periods. Reading of the *Igor Tale*, selections from *Primary Chronicle*, *Zadonshchina*; and works of Ivan IV, Avvakum, Lomonosov, Derzhavin, Radishchev, and Karamzin. Prerequisite or corequisite : 300. NOT OFFERED IN 1970-71 MRS. LYNCH

**312 (2)\* Russian Literature of the Nineteenth Century 1**

The early classics: Romanticism, the Natural School, Early Realism. Works by Pushkin, Gogol', Turgenev,



Dostoevsky; and Nekrasov, Goncharov. Prerequisite or corequisite : 300. NOT OFFERED IN 1970-71

MISS PACALUYKO

**314 (2)\* Russian Literature of the Late Nineteenth and Early Twentieth Century 1**

Realism, Impressionism, Symbolism, Socialist Realism. Emphasis on works by Tolstoy, Chekhov, Gorky, Bunin, Blok, and Sholokhov. Prerequisite or corequisite : 300.

MISS PACALUYKO

**317 (1)\* Russian Writers Today: Emigré and Soviet 1**

Prose and poetry of Nabokov, Anenkov, Ivask, Berberova, and Solzhenitsyn, Voznesensky, Brodsky, Okudzhava. Prerequisite or corequisite : 300.

MRS. LYNCH

**349 (2) The Writer in a Censored Society: His Literary and Non-Literary Roles 1**

From Pushkin and Lermontov through Tolstoy, Dostoevsky, Majakovsky, Esenin, Zam'atin, and to Evtushenko, Sin'avsky, Daniel. Prerequisite or corequisite : 300. NOT OFFERED IN 1970-71

MRS. LYNCH

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission to qualified students.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

**Directions for Election**

Course 100 counts for the degree but not for the major. Students interested in majoring in Russian should consult the chairman of the department as soon as possible.

History 209 and 313 and Extradepartmental 330 are strongly recommended as related work.

The study of at least one other modern or classical language is strongly recommended for those wishing to do graduate work in Slavic languages and literatures.

Students interested in an individual major which includes Russian are invited to confer with the chairman in planning their program.



# SOCIOLOGY AND ANTHROPOLOGY

PROFESSORS : Stoodley, Eister  
ASSOCIATE PROFESSOR : Shimony (Chairman)  
ASSISTANT PROFESSORS : London, Henderson  
INSTRUCTORS : Cordova<sup>3</sup>, Mueller, Restivo

## **102 (1) (2) Introduction to Sociology 1**

Comparative study of different levels of social structure based on representative sociological and anthropological research. Interaction processes, socialization, and social control. Problems of contemporary social organization. Open to all students without prerequisite. THE STAFF

## **104 (1) (2) Introduction to Anthropology 1**

Consideration of man's place in nature, his physical history and physical varieties. Brief survey of archaeology and linguistics. The nature of culture with examples primarily from primitive societies. Open to all students.

MRS. SHIMONY, MRS. HENDERSON

**202 (2) Sociological Theory 1**

Theories of social science as opposed to ideologies of social change, social differentiation, and integration. Contributions of Comte, Spencer, Marx, Durkheim, and Weber contrasted with more recent sociologists. Issues related to contemporary research. Open to students who have taken 102 or 104, or by permission of the instructor to juniors and seniors in related fields. MR. EISTER

**203 (2) Social Disorganization 1**

Disorganization as an important aspect of social process. Focus on juvenile delinquency and mental impairment in the United States and in cross-cultural perspective. Research projects encouraged in these fields and in other areas of disorganization. Open to all students who have taken 102 or 104, or by permission of the instructor. MR. STOODLEY

**204 (1) Societies and Cultures of Africa 1**

Comparative study of distinctive kinship, political, economic, and other social institutions of several major cultures of Africa for which there are anthropological reports. Consequences of culture contact among selected tribes and between indigenous and Asian or European cultures. Prerequisite: same as for 203. MRS. SHIMONY

**205 (1) Social Anthropology 1**

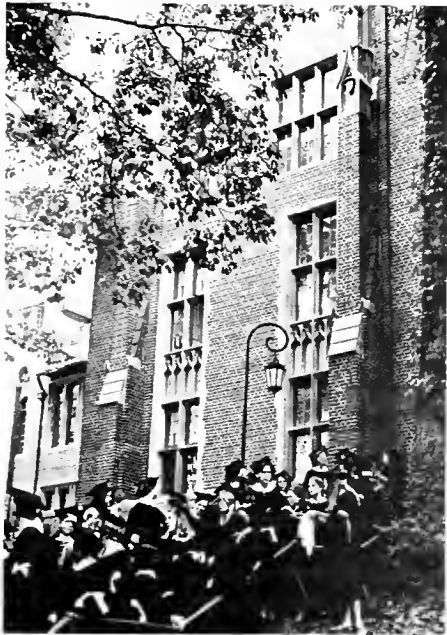
Comparative study of social, political, and economic organization of primitive societies. Stability and change of primitive groups in contact with western culture. Application of anthropology to the problems of underdeveloped countries. Prerequisite: same as for 203. MRS. HENDERSON

**206 (2) Sociology of Education 1**

For description and prerequisite, see Education 206.

**210 (1) (2) Racial and Ethnic Minorities 1**

An analysis of the problems of racial and ethnic groups in American and other societies. Systematic study of adjustment mechanisms of selected racial, religious, and immigrant minorities with special emphasis on black-white relations. Prerequisite: same as for 203. (1) MR. RESTIVO (2) MRS. SHIMONY



**212 (1) Sociology of Religion****1**

Sociological and anthropological views of religion. Differences in organization and functions of religion in primitive, traditional, and advanced contemporary societies. Problems of "organized religion" in secular, pluralistic, and urban-industrial society. Prerequisite: same as for 203.

MR. EISTER

**214 (2) Social Stratification and Power****1**

The nature of the class system in the United States and in other societies. Social problems created by stratification. Roles of the disadvantaged and the privileged in reform movements and revolutions. Prerequisite: same as for 203.

MR. RESTIVO



**220 (1) (2) Urban Society 1**

Origins and development of cities. Theories of urbanization. Problems and future trends relating to the city as a social organization. Prerequisite: same as for 203.

(1) (2) MR. LONDON (2) MRS. MUELLER

**222 (2) Family and Community 1**

Family life in several periods and social milieux. Its effect on the roles of women and children. The impact of industrialization and the changing relationship between the family and institutions of the community. Prerequisite: same as for 203.

MR. RESTIVO

**231 (1) Society and Self 1**

Social structure and process with relation to the self. Social contributions and impediments to individual experience. Institutionalization of goals, attitudes, and ideas. Social factors associated with conformity, innovation, and deviance. Prerequisite: same as for 203.

MR. STOODLEY

**235 (2) Public Opinion and Mass Media of Communication 1**

Television, magazines, newspapers, the underground press, *avant-garde* publications, and the cinema as sources, instruments, and objects of change in American society. Elements of communication process; symbols and their relation to cognition and persuasion. Prerequisite: same as for 203.

MR. STOODLEY

**249 (2) Strategies of Social Change in Contemporary America 1**

Focus on several strategies of "direct action." Theories of non-violence and violence will be examined in the writings of such major thinkers as Martin Luther King, Jr. and Frantz Fanon. These will be evaluated in the light of recent American experiences. Students will work individually or in groups to evaluate a specific strategy or case of "direct action." Prerequisite: same as for 203.

MRS. MUELLER

**250 (1) Methods of Social Research 1**

An introduction to the techniques for collecting and analyzing social data including sampling. Consideration of ways in which research is designed to test hypotheses. Field experience in interviewing; coding and data analysis. Prerequisite: same as for 203.

MR. RESTIVO

**301 (2) Anthropological Theory 1**

History of ethnological theory. Examination of current evolutionary and functional theories of culture. Discussion of the relation between personality and culture. Problems of method in anthropology. Prerequisite: 2 units of Grade II work or permission of the instructor.

MRS. HENDERSON

**302 (1) Tutorial. Modernization and Social Change in the Middle East 1**

Weekly conferences with individual students on specific problems of social change in traditional societies. Open to juniors and seniors by permission of the instructor.

MR. EISTER

**304 (2) Urban Education 1**

The application of sociological theory and research to urban education. Topics include the school curriculum and urban students; the urban teacher; the administration and organization of urban school systems; the urban community and the school. Prerequisite: same as for 301, but one of the Grade II courses must be 220.

MR. LONDON

**311 (2) Seminar 1**

Topic for 1970-71: Personality and culture. Consideration of the relations between individuals, society, and culture. Investigation of child-training and role learning. Examination of techniques for cross-cultural study of personality. Opportunities for individual research. Prerequisite: same as for 301.

MRS. HENDERSON

**315 (1) Social Movements in the Scientific Community 1**

Comparative and historical perspectives on social and political activities in the scientific community. Emphasis will be placed on current "movements" in the scientific community. Individual and group research projects involving some field work will be encouraged. Prerequisite: same as for 301. ~~NOT OFFERED IN 1970-71~~

MR. RESTIVO

**320 (1) (2) Urban Social Systems 1**

Sociological and systems analysis of selected federal, city, and community attempts to respond to urban prob-



lems. Extensive field work in urban programs and projects in Boston. Prerequisite : same as for 304.

(1) MRS. MUELLER (2) MR. LONDON

**323 (1) Seminar. Deviance 1**

Topic for 1970-71 : Social justice for and rehabilitation of the delinquent. Prerequisite : same as for 301.

MR. STOODLEY

**332 (1) Seminar. Tribal Conflict 1**

Topic for 1970-71 : Case histories of conflict among ethnic groups in Africa and Asia. Study of tribalism, racism, and nationalism in the Third World. Prerequisite : same as for 302.

MRS. SHIMONY

**336 (1) Seminar. Intellectuals in Culture and Politics 1**

A comparative study of various institutional settings for intellectual life. The dynamics of assuming intellectual roles. The recruitment and organization of intellectual groups. The possibility of transformation of society by intellectual groups. Prerequisite : 2 units of Grade II work or permission of the instructor.

MR. CORDOVA

**349 (2) Seminar. New Religious Movements in Contemporary Societies 1**

Cult and sect patterns of religious organization and behavior. Prerequisite : same as for 301.

MR. EISTER

**350 (1) (2) Research or Individual Study 1 or 2**

Open to juniors and seniors by permission.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

## Directions for Election

Students considering a major may consult any member of the department concerning sequences of courses in the field and related courses in other departments. At least one course in anthropology is advised. 202 should be included in the major, preferably not later than the junior year. Students planning graduate work in sociology are urged to elect 250 and or a course in statistics.

PROFESSORS: Ruiz-de-Conce, Lovett (Chairman)  
INSTRUCTORS: Goslaugas, Benson

Courses of the department are normally conducted in Spanish; oral expression is stressed.

The department reserves the right to place a new student in the course for which she seems best prepared regardless of the number of units she has offered for admission.

Qualified students may be recommended to spend the junior year in Spain. See p. 53.

### **100 (1-2) Elementary Spanish**

**2**

Grammar, reading, composition, dictation, practical conversation on everyday life; short lectures in Spanish. Stress on the intensive oral approach. Three periods. Open to students who do not present Spanish for admission.

THE STAFF



**102 (1-2) Intermediate Spanish 2**

Review of grammar and related language skills with intensive oral-aural practice, readings from contemporary Hispano-American authors with emphasis on vocabulary building, oral, and written expression. Three periods. Prerequisite: 2 admission units in Spanish or 100.

THE STAFF

**104 (1) Representative Modern Authors 1**

Analysis of selected prose works from "La Generación del '98" on. Authors studied include Unamuno, Valle-Inclán, Benavente, Baroja, Ortega, and Garcia Lorca. Constant practice in writing and speaking. Three periods. Prerequisite: 3 admission units or permission of the instructor.

THE STAFF

**150 (2) Colloquia 1**

For directions for applying see p. 204. Open by permission to a limited number of freshman and sophomore applications.

(2)

Topic for 1970-71: Literature and delinquency. Criminal biographies of some of yesterday's and today's "pícaros": critical analysis. What causes their delinquency? Corruption, compulsion of necessity, guilt, existential anguish, hostility, non-conformism, self-assertion . . . ? Prerequisite: 104 or 206 or 4 admission units.

(2)

Topic for 1971-72: Literature and religion. The impact of religion and the Church in some literary works of the Golden Age dealing with love and ecstasy, the Devil and God, alienation and commitment. Prerequisite: 104 or 206 or 4 admission units.

MRS. RUIZ-DE-CONDE

**201 (2) Oral and Written Communication 1**

Practice in conversation and writing to increase fluency and accuracy in the use of idiomatic Spanish. Prerequisite: 102 or 104 or 4 admission units.

MR. LOVETT

**202 (1)\* Hispano-American Literature I 1**

Critical and aesthetic problems in the field of fiction as seen through the works of Isaacs, Sarmiento, Quiroga, Güiraldes, Azuela, García Márquez, et al. Prerequisite: same as for 201.

MR. GOSTAUTAS



**203 (1)\* Modern Spanish Literature: Poetry and the Theatre 1**

From "La Generación del '98" to the Spanish Civil War. Authors include Unamuno, Antonio Machado, and García Lorca. Prerequisite: same as for 201. MR. GOSTAUTAS

**204 (1)\* Post-Civil War Spanish Literature 1**

From post-war literature to today. Authors studied include Cela, Carmen Laforet, Goytisolo, Salinas, Guillén, and Otero. Prerequisite: same as for 201. NOT OFFERED IN 1970-71.

MR. LOVETT

**205 (1)\* Hispano-American Literature II 1**

A selection of such outstanding Latin-American essayists, poets, and playwrights as El Inca Garcilaso, Sor Juana Inés de la Cruz, Neruda, Lugones, Ruben Darío, Martínez Estrada, Usigli, et al. Prerequisite: same as for 201. NOT OFFERED IN 1970-71. MR. GOSTAUTAS

**206 (1) Landmarks of Spanish Literature 1**

Intensive study of masterpieces and authors chosen from significant periods: *Poema del Cid*, *La Celestina*, Garcilaso, Fray Luis de León, Cervantes, Lope de Vega, Calderón, Moratin and Bécquer. Prerequisite: same as for 201. MRS. RUIZ-DE-CONDE

**207 (2) The Birth of Modern Spain 1**

The growth of the 19th century Spanish bourgeoisie and the struggle between liberalism and tradition as seen in Larra's writings and Galdós' novels. Prerequisite: same as for 201. MR. LOVETT

**228 (2) Contemporary Latin-American Novel in Translation 1**

For description and prerequisite, see Extradepartmental 228.

**300 (2) Oral and Written Communication 1**

Same course as 201. Joint class meetings for 201 and 300. Supplementary assignments and conferences for Grade III students. Prerequisite: 2 units of Grade II. Not open to students who have taken 201. MR. LOVETT

**301 (1)\* Drama of the Seventeenth Century 1**

The characteristics of the Spanish drama of the Golden Age. Analysis of ideals of this period as revealed in the drama. Representative masterpieces of Lope de Vega, Castro, Alarcón, Tirso de Molina, Calderón. Open to juniors and seniors who have taken 2 units of Grade II including 1 unit in literature. NOT OFFERED IN 1970-71.

MR. LOVETT

**302 (1)\* Cervantes 1**

Study of Cervantes and his work, representing the culmination of the novel in Spain. Reading of *Novelas Ejemplares*; analysis and discussion of *Don Quijote*. Prerequisite: same as for 301. MRS. RUIZ-DE-CONDE

**306 (2)\* Modern Hispano-American Literature I 1**

Study of the main literary currents in Mexico; analysis of present-day trends in prose and poetry: Rulfo, Fuentes,



Reyes, Vasconceleos, Octavio Paz, et al. Prerequisite: same as for 301. Not open to students who have taken [202].  
NOT OFFERED IN 1970-71 MR. GOSTAUTAS

**307 (2)\* Modern Hispano-American Literature II 1**

Analysis of present-day trends in prose and poetry: Borges, Mallea, Gabriela Mistral, Vallejo, Mariátegui, Gallegos, Carpentier, Cortázar, et al. Prerequisite: same as for 301. MR. GOSTAUTAS

**310 (1)\* Seminar 1**

Topic for 1970-71: Unamuno. The problem of Spain, of life and death as seen through the existential anguish of Unamuno's art. Prerequisite: 203 and 204, or 206 or permission of the instructor. MR. LOVETT

**311 (1)\* Seminar. Spanish Poetry 1**

Topic for 1971-72 to be announced. Prerequisite: same as for 310. NOT OFFERED IN 1970-71

MRS. RUIZ-DE-CONDE

**350 (1) (2) Research or Individual Study 1 or 2**

Open by permission or to seniors who have taken 2 units of Grade III work in the department.

**370 (1-2) Honors Research 2**

Required of all honors candidates in the department.

## Directions for Election

Course 100 counts for the degree but does not count toward the major.

Students who begin with 100 in college and who wish to major should consult the chairman in the second semester of their freshman year.

Students may choose to major either in Peninsular or Latin-American Literature. The Peninsular major should ordinarily include 201, 206, 301, 302, and two additional units of Grade III literature in Spanish; the Latin-American major would include 201, 205, 306, 307, and two additional units of Grade III literature in Spanish. History 214 is recommended for the Latin-American major. Extradepartmental 330 is recommended for both majors.



# THEATRE STUDIES

LECTURER Barstow (Chairman)

Although the College does not offer a major, students may elect as many as 6 units in theatre studies.

A student who wishes to pursue an interest in theatre should consult the chairman of Theatre Studies about course selection which will emphasize dramatic literature in English and foreign languages together with the history and philosophy of art.

## **203 (1)\* Plays, Production and Performance 1**

Representative plays of major eras in the history of the theatre considered in terms of both the original conditions of performance and present-day stagecraft; particular attention to direction, design, and acting as these complete the

creation of the dramatist. Open to sophomores who have taken a college literature course and to juniors and seniors without prerequisite.

MR. BARSTOW

**207 (1)\* Early Modern Theatre 1**

Ibsen, Strindberg, and Chekhov, and their forerunners and immediate successors; particular attention paid to theatrical conditions, producers, designers, and actors associated with stage production of the plays studied. Prerequisite: 203, or permission of the instructor. Open to juniors and seniors without prerequisite. NOT OFFERED IN 1970-71.

MR. BARSTOW

**208 (2)\* Contemporary Theatre 1**

Mid-20th century dramatists and production styles; plays, producers, designers, and actors significant in the development of contemporary theatre. Prerequisite: same as for 207. NOT OFFERED IN 1970-71.

MR. BARSTOW

**210 (1-2)\* History of the Theatre 2**

Study of theatre structures, crafts, and practices with emphasis on acting and production styles as these relate to major developments in dramatic literature. Prerequisite: same as for 207. Either semester may be elected independently by permission of the instructor.

MR. BARSTOW

**215 (1)\* Shakespeare in the Theatre 1**

Study of production of Shakespeare's plays in the theatre; particular attention to Elizabethan stagecraft and to contemporary production styles; emphasis on acting and directing. Reports, and scenes performed for class criticism. Prerequisite: 203, and English 218 or 305, or permission of the instructor. NOT OFFERED IN 1970-71.

MR. BARSTOW

**249 (2) Theatre, Rite, and Religion 1**

Readings and discussion of plays and religious texts from various historical periods and cultures. Attendance at and involvement in selected productions and liturgical experiments in the Boston area. Same course as Religion and Biblical Studies 249. Open to 20 students with the permission of the instructors.

MR. BARSTOW AND MR. SANTMIRE



## EXTRADEPARTMENTAL COURSES

The following section includes several separate courses of interest to students in various disciplines.

**101 (1)\*\* Hellenic Heritage 1**

For description and prerequisite, see Greek 101, p. 113.

**104 (2)\*\* Classical Mythology 1**

For description and prerequisite, see Greek 104, p. 113.

**108 (2)\*\* Interpretations of Man in Western Literature 1**

Representative views of the nature of man reflected in a selection of major works of European literature. The readings, chosen to emphasize the classical heritage, will include works of Vergil, Augustine, Dante, Machiavelli, Montaigne, Milton, Goethe, and Eliot. Open to all students.

MR. LAYMAN

**110 (1) (2) Introduction to Automatic Computation 1**

Modeling of computational processes as sequential algorithms. Formal and informal techniques for the representation of these algorithms and their implementation on digital computers. Experience in programming and running of elementary problems in an algebraic and an assembler language. Open to all students. MR. ANGER

**150 (2) Colloquium 1**

For directions for applying see p. 204. Open by permission to a limited number of freshman and sophomore applicants.

**(2)**

History of Science I. The Newtonian world view—What was it? How did it come to be? What has it meant? An introduction to certain key astronomical and physical observations and experiments which gave rise to some of our fundamental concepts about the structure of the universe. In addition to a study of these views as they developed from classical times to the 17th century, considerable attention will be given to the effect of the new Experimental Philosophy of the 17th century on the scientific, intellectual, and social climate of the times as well as on man's view of himself. MISS WEBSTER

**201 (1)\*\* Russian Literature in Translation I 1**

For description and prerequisite, see Russian 201, p. 178.

**202 (2)\*\* Russian Literature in Translation II 1**

For description and prerequisite, see Russian 202, p. 178.

**205 (1) Introduction to the Afro-American Experience 1**

The African background of black Americans; the evolution of the institution of slavery in the New World; the black presence in and significance to the development of American society since the Civil War. In 1970–71 open to sophomores, juniors, and seniors; beginning in 1971–72, open to freshmen and sophomores without prerequisite and to upperclassmen by permission only.

MR. WILLIAMS

**216 (1) Applications of Mathematics in the Physical Sciences I 1**

Applications of calculus. Functions of several variables.





Partial differentiation and multiple integration. Two periods weekly with a third period every other week. Prerequisite: Mathematics [109] or [200 (1)] or 111 or the equivalent. MISS DODSWORTH

**217 (2) Applications of Mathematics in the Physical Sciences II 1**

Vector analysis. Differential equations arising in the sciences. Introduction to probability and statistics. Two periods weekly with a third period every other week. Prerequisite: Extradepartmental 216; or by permission of the instructor, Mathematics [201] or [204] or 208 or the equivalent. MISS DODSWORTH

**219 (1)\*\* History of Science II 1**

Topic for 1970–71: Stability and change as central themes in scientific thought in the 19th century. Four laboratory-demonstration sessions during the semester. Open to students who have completed 1 unit of laboratory science and 1 unit of history or philosophy. MISS WEBSTER

**226 (1)\*\* Renaissance Humanism 1**

Personalities and issues of Italian humanism, its evolution, and its European diffusion. Selected works by Petrarch, Boccaccio, and other Italian humanists of the 14th and 15th centuries; Castiglione, Machiavelli, and Guicciardini. Emphasis on class discussion of the texts, focusing on such topics as the new self-awareness, the interpretation of the classical past, the active versus the contemplative life, the role of fortune and human initiative in governing worldly affairs, the purposes and methods of a liberal education. Open to sophomores, juniors, and seniors by permission of the instructor. A reading knowledge of a European language other than English is strongly recommended. MR. Oldcorn

**227 (2)\*\* Petrarch and the European Love Lyric 1**

The position of Petrarch's *Canzoniere* in the history of European vernacular poetry. Its relation to Provençal and earlier Italian conventions. Its later influence, particularly on the poetry of the 16th century in Italy, France, Spain, and England. The crisis of Petrarchism, anti-Petrarchism, and the rise of the baroque. Open to sophomores, juniors, and seniors by permission of the instructor. An elementary reading knowledge of Italian is required. A reading knowledge of another European language is desirable. MR. Oldcorn

**228 (2)\*\* Contemporary Latin American Novel in Translation 1**

Aesthetic and political problems of the Committed Novel of Latin-America, as seen in the works of Asturias (Nobel Prize), Cortazar, Garcia Márquez, Vargas Llosa, Fuentes, Carpentier, Rulfo, and Guimares Rosa. Open to sophomores by permission of the instructor and to juniors and seniors without prerequisite. Not open to students who have taken Spanish 306 or 307. MR. GOSTAUTAS

**229 (2)\*\* African Literature in English and in Translation 1**

An introduction to poetry, drama, and fiction written by black people in Africa. Selections in poetry drawn from a wide range of poets including West African and South African English-speaking poets in translation. Drama and fiction taken principally from English-speaking West Africa. Open to juniors and seniors.

**230 (1) (2) Seminar. Computer Application Development 1**

Students will work cooperatively in assessing the need for, and implementing, computer programs of general utility in one or two application areas chosen by the group. Possible areas include statistical manipulation, calculus illustration, algebraic manipulation, biological simulation. Prerequisite: 110 or reasonable familiarity with an algebraic programming language. MR. ANGER

**231 (2) Interpretation and Judgment of Films 1**

Close analysis of masterpieces of film art, drawn from the work of such directors as Eisenstein, Chaplin, Keaton, Dreyer, Renoir, Clair, Welles, Bergman, Fellini, Godard, and Antonioni. Many short written assignments. Discussion groups, limited to 20 students. Open by permission of the instructor. MR. GARIS

**330 (2) Seminar. Comparative Foreign Literature 1**

Topic for 1970-71: The theatre since 1945. Study of European, English, and American playwrights, with emphasis on the works of Beckett and Brecht and on their literary and social context. Open by permission of the instructor to junior and senior majors in English, French, Greek, Italian, Latin, Russian, and Spanish who have completed 2 units of Grade III work in literature in the major.

MR. STAMBOLIAN



## INTERDEPARTMENTAL MAJORS

The College offers three established interdepartmental major programs: Black Studies, Classical Archaeology, Molecular Biology. In addition, a student may design an individual major. Some representative individual majors and courses available for them are included in this section.

### **BLACK STUDIES**

A major in Black Studies provides opportunity for cross-departmental study of the African background of American black culture, the black experience in the context of American historical, political, and social institutions, and of the contemporary conditions of blacks in America. Students, in consultation with the director, may construct a major adapted to individual interests. Normally at least 4 units above the Grade 1 level are to be elected in one of the following: economics, history, political science, sociology

and anthropology; and at least 4 additional units above the Grade 1 level of related work. Two of the eight courses must be at the Grade III level. Beginning with the Class of 1972, Extradepartmental 205 is required of all majors.

The following courses are available in 1970-71 for majors in Black Studies.

- History of Afro-American Art** Art 226 (1)
- American Economic History** Economics 204 (1)
- Seminar. Radical Economics** Economics 249 (2)
- Sociology of Education** Education 206 (1) (2)
- Black Literature in America** English 228 (1) (2)
- Introduction to the Afro-American Experience** Extradepartmental 205 (1)
- African Literature in English and in Translation** Extradepartmental 229 (2)
- Black Literature in French** French 218 (1)
- Red, White, and Black in the Americas: the Initial Confrontation** History 150 (1)d
- Modern African History** History 208 (1)
- United States Urban History** History 220 (2)
- The United States, 1850-1900** History 223 (1)
- The United States in the Twentieth Century** History 224 (1) (2)
- Seminar. Afro-American History** History 332 (2)
- Afro-American Music** Music 106 (2)
- Comparative Politics of The Developing Areas** Political Science 200 (1) (2)
- Political Systems of Subsaharan Africa** Political Science 209 (2)
- Urban Politics** Political Science 223 (1) (2)
- Seminar. Poverty and the Law** Political Science 339 (2)
- Societies and Cultures of Africa** Sociology 204 (1)
- Racial and Ethnic Minorities** Sociology 210 (1) (2)
- Social Stratification and Power** Sociology 214 (2)
- Urban Society** Sociology 220 (1)
- The Strategies of Social Change in Contemporary America** Sociology 249 (2)
- Urban Education** Sociology 304 (2)
- Urban Social Systems** Sociology 320 (2)
- Seminar. Tribal Conflict** Sociology 332 (1)

## CLASSICAL ARCHAEOLOGY

DIRECTOR: Marvin

An interdepartmental major in classical archaeology gives opportunity for a study of classical civilization through its art, literature, and history with emphasis on either the Greek or Roman period.

The student's program should normally include ancient history (1 or 2 units), art (at least 4 units), Greek or Latin language and literature (at least 6 units), independent study (1 or 2 units) of an archaeological topic, preferably correlating work in art and literature or history (350, 370). It should be noted that work in both Greek and Latin is normally required for graduate school. Basic reading knowledge of German or French is recommended.

Programs will be adapted to individual interests within the field.



## MOLECULAR BIOLOGY

DIRECTOR: Hicks

The Departments of Biological Sciences and Chemistry offer an interdepartmental major in molecular biology which gives opportunity for advanced study of the chemistry of biological systems.

In addition to 1 or 2 units of biochemistry ([321], 322, 323), the area of concentration will include 5 units of chemistry ([103] or 106, 107, 201, 202, 301), 5 units of biology including in general 2 units of Grade III, Physics 100, 103, or 105, and Mathematics [109], 111, or the equivalent. Students who exempt any units of Grade I may substitute further units in biology, chemistry, mathematics, or physics.

## INDIVIDUAL MAJORS

Students who are interested may devise in consulta-

tion with two faculty advisers an individual major. The program for the individual major is subject to the approval of the Committee on Curriculum and Instruction. In setting up guidelines for the individual major, the Committee hopes to extend the possibility for a major which crosses traditional departmental lines to those students who could most profit from such a major and to assure suitable guidance to the student in selecting appropriate courses for the major. The program for the individual major should include 4 units in one department above the Grade I level.

The following majors and suggested courses are representative of the more established programs.

### **Asian Studies**

Students interested in graduate work and a career in Chinese studies should take extensive Chinese language work; students interested in a broader range of courses on Asia may take a minimum of Chinese language work or none.

**Far Eastern Art** Art 249 (2)

**Elementary Chinese** Chinese 100 (1-2)

**Intermediate Chinese** Chinese 200 (1-2)

**Readings in Modern Style Writings** Chinese 250 (1)

**Readings in Contemporary Chinese Language**  
Chinese 300 (2)

**Introduction to Literary Chinese** Chinese 310 (1)

**Readings in Elementary Classical Chinese** Chinese  
311 (2)

**Imperialism in Modern Asian History** History 150  
(2)<sup>a</sup>

**Japanese History** History 225 (1)

**Pre-Modern Chinese History** History 226 (1)

**Modern Chinese History** History 227 (2)

**Seminar. Chinese History** History 338 (2)

**Seminar. Communist China** History 339 (1)

**Comparative Government: South and East Asia**  
Political Science 306 (2)

**Hinduism** Religion and Biblical Studies 251 (1)

**Islam** Religion and Biblical Studies 252 (2)

**Buddhism and East Asian Religions** Religion and  
Biblical Studies 253 (2)

**Seminar. History of Religions** Religion and Biblical  
Studies 305 (2)

## Classical Civilization

Students who wish a Classical Civilization major can plan with the Departments of Greek and Latin an appropriate sequence of courses, which should include work in art, history, and literature. Such a program should always contain at least 4 units in the original language. Basic knowledge of French or German is recommended.

- Introductory Course** Art 100 (1)
- Arts of the Ancient World** Art 200 (1-2)
- Seminar. Ancient Art** Art 334 (2)
- Hellenic Heritage** Greek 101 (1)
- Classical Mythology** Greek 104 (2)
- Greek Drama in Translation** Greek 203 (2)
- Political Propaganda in Rome** History 150 (1)<sup>a</sup>
- History of Greece** History 228 (1)
- History of Rome** History 229 (2)
- Studies in the Old Testament** Religion and Biblical Studies 104 (1)
- Studies in the New Testament** Religion and Biblical Studies 105 (2)
- The Beginnings of Christianity** Religion and Biblical Studies 204 (1)
- The Renewal of Judaism in the Post-Exilic Period** Religion and Biblical Studies 206 (1)
- Judaism from Philo to Spinoza** Religion and Biblical Studies 213 (2)
- Seminar. The Old Testament** Religion and Biblical Studies 306 (2)
- Seminar. The New Testament** Religion and Biblical Studies 307 (2)

## Latin American Studies

- Contemporary Latin-American Novel in Translation** Extradepartmental 228 (2)
- The Hispanic World** History 214 (1)
- Comparative Government: Latin America** Political Science 207 (1)
- Oral and Written Composition** Spanish 201 (1)
- Hispano-American Literature I** Spanish 202 (1)
- Hispano-American Literature II** Spanish 205 (1)



**Modern Hispano-American Literature I** Spanish  
306 (2)

**Modern Hispano-American Literature II** Spanish  
307 (2)

## **United States Studies**

**American Art** Art 225 (1)

**American Economic History** Economics 204 (1)

**The Corporation** Economics 205 (1) (2)

**Problems in Economics and Public Policy** Economics 208 (2)

**Seminar. Radical Economics** Economics 249 (2)

**Industrial Organization** Economics 305 (1)

**Consumption and Marketing** Economics 307 (1)

**Public Finance** Economics 310 (2)

**Sociology of Education** Education 206 (1) (2)

**American Literature I** English 223 (1)

**American Literature II** English 224 (2)

**American Literature III** English 225 (1) (2)

**Black Literature in America** English 228 (1) (2)

**American Literature IV** English 317 (1)

**United States Urban History** History 220 (1)

**Colonial America, 1607–1783** History 221 (1)

**The United States, 1783–1850** History 222 (2)

**The United States, 1850–1900** History 223 (1)

**The United States in the Twentieth Century** History 224 (1) (2)

**History of United States Foreign Policy** History 307  
(1-2)

**American Constitutional Development** History 308  
(2)

**Intellectual History of the United States** History 310  
(1-2)

**Seminar. Afro-American History** History 332 (1)

**Seminar. American History I** History 333 (1)

**Seminar. American History II** History 335 (2)

**American Parties and Interest Groups** Political  
Science 210 (1) (2)

**Policy-Making in the Federal Government** Political  
Science 211 (2)





**Urban Politics** Political Science 223 (1) (2)  
**American Political Thought** Political Science 302 (1)  
**Political Decision-Making in the United States**  
 Political Science 310 (1)  
**The Supreme Court in American Politics** Political  
 Science 332 (2)  
**American Religious History** Religion and Biblical  
 Studies 218 (2)  
**Race, Religion, and Social Change** Religion and  
 Biblical Studies 228 (1)  
**Racial and Ethnic Minorities** Sociology and Anthro-  
 pology 210 (1) (2)  
**Social Stratification and Power** Sociology and  
 Anthropology 214 (2)  
**Urban Society** Sociology and Anthropology 220 (1) (2)  
**Public Opinion and Mass Media of Communication**  
 Sociology and Anthropology 235 (2)  
**Strategies of Social Action in Contemporary Amer-  
 ica** Sociology and Anthropology 249 (2)  
**Urban Education** Sociology and Anthropology 304 (2)  
**Urban Social Systems** Sociology and Anthropology  
 320 (1) (2)

## Urban Studies

**Seminar. Radical Economics** Economics 249 (2)  
**Sociology of Education** Education 206 (1) (2)  
**United States Urban History** History 220 (2)  
**American History II** History 335 (2)  
**Urban Politics** Political Science 223 (1) (2)  
**Seminar. Environmental Politics in Metropolitan  
 Areas** Political Science 337 (1)  
**Seminar. Poverty and the Law** Political Science 339  
 (2)  
**Studies in Urban Religion** Religion and Biblical  
 Studies 256 (2)  
**Urban Society** Sociology and Anthropology 220 (1) (2)  
**Strategies of Social Action in Contemporary Amer-  
 ica** Sociology and Anthropology 249 (2)  
**Urban Education** Sociology and Anthropology 304 (2)  
**Urban Social Systems** Sociology and Anthropology  
 320 (1) (2)

## FRESHMAN-SOPHOMORE COLLOQUIA

The colloquia are designed for freshmen and sophomores who are interested in concentrated study of a significant well-defined topic. They offer students the opportunity to work in small groups in close association with faculty members. Most are open without prerequisite although a few presuppose some earlier study of the field either in secondary school or in a college course. They are similar to seminars in method and approach in that they stress independent work, discussion, and student reports.

Each colloquium counts as a 1 unit course. Except for Extradepartmental 150 each may be elected to satisfy in part one of the distribution requirements. Since enrollments are limited, a student may not ordinarily enroll in more than one colloquium. She may, however, apply for more than one, indicating her first and second choices.

Incoming freshmen may obtain application forms from the class dean, sophomores from the department chairman. If a colloquium is oversubscribed the chairman or instructor, in consultation with the class dean, will decide which applicants will be accepted.

### Topics for 1970-71

Topics for 1970-71 are listed below. More complete descriptions of colloquia are given in departmental course offerings.

#### English 150 (1) (2)

1

- (1) a. T. S. Eliot
- b. Women writers and women's problems



- (2) a. Studies of egotism in 19th century novels
- b. *Moby-Dick*

**Extradepartmental 150 (2) 1**

- (1) History of Science I. The Newtonian world view—What was it? How did it come to be? What has it meant?

**History 150 (1) (2) 1**

- (1) a. Political propaganda in Rome
- b. Medieval heroes and society
- c. Politics and the novel in France, 1815–1914
- d. Red, white, and black in the Americas: the initial confrontation
- (2) a. Imperialism in modern Asian history
- b. The United States and the Spanish Civil War
- c. Politics and the novel in France, 1815–1914

**Italian 150 (1) 1**

- (1) A multilateral approach in English to the study of contemporary Italy

**Philosophy 150 (1) (2) 1**

- (1) The views of Hobbes, Locke, Rousseau, and Lenin
- (2) a. The views of Hobbes, Locke, Rousseau, and Lenin
- b. Freedom and determinism

**Political Science 150 (1) (2) 1**

- (1) Contemporary criticisms of American democracy
- (2) a. Utopia: the quest for the ideal society
- b. The rulers and the ruled: problems in a democratic society

**Religion and Biblical Studies 150 (1) (2) 1**

- (1) The contemporary dialogue between Christianity and Marxism
- (2) a. The archaeology of the Ancient Near East
- b. An examination of modern psychological theories of religion

**Spanish 150 (2) 1**

- (2) Literature and Delinquency



TO  
ADMINISTRATIVE  
OFFICES  
→





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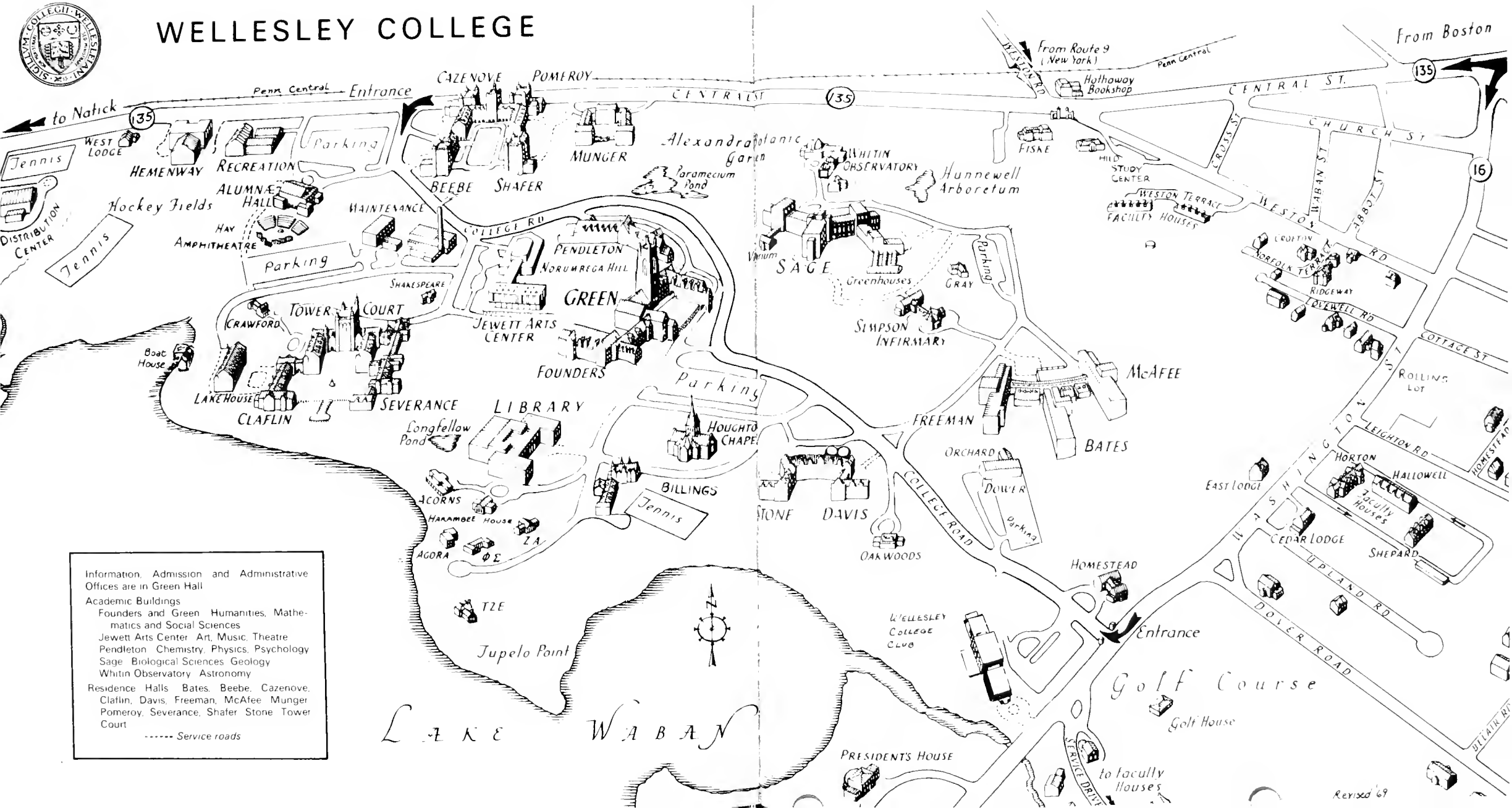
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# WELLESLEY COLLEGE



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Pendleton Chemistry, Physics, Psychology  
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Whitin Observatory Astronomy

Residence Halls Bates, Beebe, Cazenove,  
Claflin, Davis, Freeman, McAfee, Munger,  
Pomeroy, Severance, Shafer, Stone, Tower,  
Court

----- Service roads









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